work page	varible name	description
article_id	id	created digital id of the paper
article_id	doi	publisher unique identifier of the paper
article_id	title	tittle of the paper by the publisher
article_id	data_entry	person who intered the data
article_id	entry_date	date of data entry
main_data	id	id of resource article
main_data	treatment_category	treatment category (eg, tillage, amendments)
main_data	treatment_group	grouped treatment name
main_data	treatment_original	original treatment name in the article
main_data	time_interval	length of experiment
main_data	time_interval_note	notes for the lenght of experiment
main_data	latitude	location coordinates, latitude
main_data	longitude	location coordinates, longitude
main_data	location_country	location, country
main_data	location_region	location, region or town
main_data	number_of_locations	number of locations where the experiments were conduc
main_data	climate	climate
main_data	temperature	average annual temperature
main_data	precipitation	average annual precipitation
main_data	slope	steepness of slope
main_data	soil_type_ST	soil type in Soil Taxonomy
main_data	soil_type_WRB	Reference Soil Group in WRB
main_data	soil_qualifiers_WRB	qualifiers in WRB
main_data	soil_texture	soil texture
main_data	depth_upper	upper boundary of soil depth
main_data	depth_lower	lower boundary of soil depth
main_data	farm_category	organic/conventional
main_data	main_crop	main crop
main_data	studied_property	studied property
main_data	control	control treatment
main_data	effect	significant positive/significant negative/not significant, nc
main_data	effect_size	effect size, proportional
main_data	effect_size_abs	effect size, absolute value
main_data	non_sig_effect	not significant positive or negative effect
main_data	notes	notes
main_data	replicate	order of replicates
soil_properties	id	id of resource article
soil_properties	depth_upper	upper boundary of soil depth
soil_properties	depth_lower	lower boundary of soil depth
soil_properties	soc	soil organic carbon
soil_properties	som	mass % of soil organic matter
soil_properties	sand	% of sand
soil_properties	silt	% of silt
soil_properties	clay	% of clay
soil_properties	texture	soil texture class

soil_properties	caco3	% of caco3
soil_properties	ph_h2o	pH(H2O) of soil
soil_properties	ph_kcl	pH(KCl) of soil
soil_properties	ph_cacl2	pH(CaCl2) of soil
soil_properties	CEC	cation exchange capacity of soil
soil_properties	bd	bulk density of soil
soil_properties	TC	mass % of total carbon
soil_properties	TN	mass % of total nitrogen
soil_properties	TON	mass % of total organic nitrogen
soil_properties	available_ K	mass % of available K
soil_properties	available_P	mass % of available P
soil_properties	EC	electrical conductivity
soil_properties	P resistance	penetration resistance

:ted

ɔne

ID	DOI
1	https://doi.org/10.1016/j.still.2019.104334
2	https://doi.org/10.3390/su9101726
3	https://doi.org/10.1016/j.still.2021.104959
4	https://doi.org/10.1016/j.apsoil.2020.103856
5	https://doi.org/10.1016/j.scitotenv.2020.138988
6	https://doi.org/10.1016/j.apsoil.2019.03.010
7	https://doi.org/10.1016/j.iswcr.2023.03.003
8	https://doi.org/10.1016/j.still.2004.02.006
9	https://doi.org/10.3390/agronomy14020278
10	https://doi.org/10.1038/s41598-024-51491
11	https://doi.org/10.3390/f15081284
12	https://doi.org/10.1002/ece3.70136
13	10.3390/agronomy15040801
14	https://doi.org/10.3390/agronomy14081606
15	https://doi.org/10.3390/agronomy13030894
16	https://doi.org/10.15244/pjoes/143258
17	https://doi.org/10.1016/j.still.2021.105239
18	https://doi.org/10.3390/agronomy11050825
19	https://doi.org/10.3390/agronomy10101552
20	https://doi.org/10.17221/249/2019-PSE
21	https://doi.org/10.15244/pjoes/97359
22	https://doi.org/10.15244/pjoes/67552
23	https://doi.org/10.1155/2010/830853
24	(PDF) Influence of tillage on soil properties, yield ar
25	Seasonal changes of hydraulic properties of a Chro
26	10.1556/CRC.33.2005.1.5
27	(PDF) Carbon Sequestration of Crops Influenced by
28	https://doi.org/10.1111/sum.12942
29	https://doi.org/10.1080/14735903.2016.1150022
30	https://doi.org/10.3390/agronomy13061622
31	https://doi.org/10.3390/soilsystems9010013
32	https://doi.org/10.3390/agriculture14071000
33	https://www.ecocycles.net/ojs/index.php/ecocycle
34	https://core.ac.uk/download/pdf/287189367.pdf
35	https://doi.org/10.1134/S1064229321070048
36	https://doi.org/10.3390/agronomy14040745
37	intag-2016-0003.pdf
38	https://doi.org/10.3390/agronomy15010143
39	Sci-Hub | Effects of compost application on soil fert
40	ttps://doi.org/10.1556/0088.2022.00094
41	https://doi.org/10.3390/su13179769
42	https://doi.org/10.30486/ijrowa.2023.1981530.16
43	https://doi.org/10.3390/land14061206

Title

The effects of various tillage treatments on soil physical properties, earthworm abundance and crop yield in Hunga
Infiltration and Soil Loss Changes during the Growing Season under Ploughing and Conservation Tillage
Long-term effects of conservation tillage on soil erosion in Central Europe: A random forest-based approach
Evaluating the combined effect of biochar and PGPR inoculants on the bacterial community in acidic sandy soil
Long-term effects of grain husk and paper fibre sludge biochar on acidic and calcareous sandy soils – A scale-up fie
Monitoring of soil microbial inoculants and their impact on maize (Zea mays L.) rhizosphere using T-RFLP molecula
Long-term conservation tillage results in a more balanced soil microbiological activity and higher nutrient supply c
Tillage effects on compaction, earthworms and other soil quality indicators in Hungary
Status of Soil Health Indicators after 18 Years of Systematic Tillage in a Long-Term Experiment
Living mulch enhances soil enzyme activities, nitrogen pools and water retention in giant reed (Arundo donax L.) p
Soil pH and Nutrient Content Sustain Variability of Soil Bacterial Community Structure and Activity after Forest Cle
The effect of soil parameters and earthworm abundance on the fine- scale nocturnal habitat use of the Eurasian w
Assessing 16 Years of Tillage Dynamics on Soil Physical Properties, Crop Root Growth and Yield in an Endocalcic Ch
Assessing the Impact of Tillage Methods on Soil Moisture Content and Crop Yield in Hungary
Conservation Tillage Improves Soil Quality and Crop Yield in Hungary
Effects of Irrigation and Organic Mulching on the Abundance and Biomass of Earthworms
Effect of tillage and crop type on soil respiration in a long-term field experiment on chernozem soil under tempera
Three-Year Investigation of Tillage Management on the Soil Physical Environment, Earthworm Populations and Cro
Long Term Effects of Ploughing and Conservation Tillage Methods on Earthworm Abundance and Crumb Ratio
Long-term effect of soil conservation tillage on soil water content, penetration resistance, crumb ratio and crusted
The Effects of Tillage-Induced Soil Disturbance on Soil Quality
The Effects of Tillage-Induced Soil Disturbance on Weed Infestation of Winter Wheat
Effect of Soil Physical State on the Earthworms in Hungary
Influence of tillage on soil properties, yield and protein content in maize and soybean grain
Seasonal changes of hydraulic properties of a Chromic Luvisol under different soil management
Correlation between moisture and organic matter conservation in soil tillage
Carbon Sequestration of Crops Influenced by Nitrogen Fertilization
A comprehensive analysis of soil health indicators in along- term conservation tillage experiment
Conservation tillage vs. conventional tillage: long-term effects on yields in continental, sub-humid Central Europe,
Effect of Mulching on Soil Quality in an Agroforestry System Irrigated with Reused Water
Assessing Different Stubble Tillage Technologies on Covered and Uncovered Surfaces
Comparative Analysis of Drought Effects on the Soil Moisture Level and Penetration Resistance in Conventional an
Impact of environmental and soil factors in the prediction of soil carbon dioxideemissions under different tillage sy
Compost mulch no-tillage systems in organic vegetable production
Comparing Soil Chemical and Biological Properties of Salt Affected Soils under Different Land Use Practices in Hung
Changes in Microbial Community and Activity of Chernozem Soil under Different Management Systems in a Long-T
Changes in physical properties of sandy soil after long-term compost treatment
Effects of Sewage Sludge Compost on Carbon, Nitrogen, Phosphorus, and Sulfur Ratios and Soil Enzyme Activities i
Effects of compost application on soil fertility of a Luvisol from Godoll} o (Hungary)
Effect of mineral and organic fertilizers on some soil chemical and biological properties in a 90-year-old long-term
Effects of Organic Amendments on Soil Aggregate Stability and Microbial Biomass in a Long-Term Fertilization Exp
Field and laboratory evaluation of the long-term effect of various organic fertilizers on sandy soil
Climate-Smart Agricultural Practices—Strategies to Conserve and Increase Soil Carbon in Hungary

Country
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
p Yields in Croatia
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary
Hungary

article_id	treatment	treatment_Group
43	crop rotation	meta data
43	agroforestry	meta data
43	cover crops (cc)	meta data
43	crop rotation	meta data
43	manure	meta data
43	reduced_tillage	meta data
4	biochar	biochar +inoculant with conventional carrier
4	biochar	biochar as inoculant carrier (without powder carrier)
4	biochar	biochar only
37	compost_sewage sludge	sewage sludge where applied
37	no_compost	no compost where applied
37	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
42	fallow	fallow
42	manure	farmyard manure
42	manure	farmyard manure plus mineral fertilizer
42	manure	green manure
42	manure	Sewage sludge compost 18 t /ha
42	manure	Sewage sludge compost 27 t /ha
37	compost_sewage sludge	sewage sludge where applied
37	compost_sewage sludge	sewage sludge where applied
37	compost_sewage sludge	sewage sludge where applied
37	no_compost	no compost where applied
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
4	biochar	biochar +inoculant with conventional carrier
4	biochar	biochar +inoculant with conventional carrier
4	biochar	biochar as inoculant carrier (without powder carrier)
4	biochar	biochar as inoculant carrier (without powder carrier)
4	biochar	biochar only
4	biochar	biochar only
37	compost_sewage sludge	sewage sludge where applied
37	compost_sewage sludge	sewage sludge where applied
37	compost_sewage sludge	sewage sludge where applied
37	no_compost	no compost where applied
40	crop rotation_fertilizer	fermented straw manure with water
40	crop rotation_fertilizer	lupine green and root manure
40	fallow	fallow
40	crop rotation_fertilizer	farmyard manure
40	crop rotation_fertilizer	farmyard manure
40	crop rotation_fertilizer	fermented straw manure with N
40	crop rotation_fertilizer	fermented straw manure with water
40	crop rotation_fertilizer	lupine for grain

40	crop rotation_fertilizer	lupine for green forage
40	crop rotation_fertilizer	lupine green manure as a main crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	straw manure
42	manure	farmyard manure
42	manure	Sewage sludge compost 18 t /ha
38	no_compost	no compost where applied
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
42	manure	farmyard manure plus mineral fertilizer
42	manure	green manure
42	manure	Sewage sludge compost 27 t /ha
42	fallow	fallow
40	crop rotation_fertilizer	farmyard manure
40	crop rotation_fertilizer	farmyard manure
40	crop rotation_fertilizer	fermented straw manure with N
40	crop rotation_fertilizer	fermented straw manure with water
40	crop rotation_fertilizer	fermented straw manure with water
40	crop rotation_fertilizer	lupine for grain
40	crop rotation_fertilizer	lupine for green forage
40	crop rotation_fertilizer	lupine green and root manure
40	crop rotation_fertilizer	lupine green manure as a main crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	straw manure
40	fallow	fallow
42	manure	green manure
38	compost_sewage sludge	sewage sludge where applied
40	crop rotation_fertilizer	fermented straw manure with N
40	crop rotation_fertilizer	fermented straw manure with water
40	crop rotation_fertilizer	lupine for grain
40	crop rotation_fertilizer	lupine green and root manure
40	crop rotation_fertilizer	lupine green manure as a main crop
40	crop rotation_fertilizer	straw manure
40	fallow	fallow
42	fallow	fallow
42	manure	farmyard manure
42	manure	farmyard manure plus mineral fertilizer
38	no_compost	no compost where applied

38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
40	crop rotation_fertilizer	farmyard manure
40	crop rotation_fertilizer	farmyard manure
40	crop rotation_fertilizer	fermented straw manure with water
40	crop rotation_fertilizer	lupine for green forage
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
42	manure	Sewage sludge compost 18 t /ha
42	manure	Sewage sludge compost 27 t /ha
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
4	biochar	biochar +inoculant with conventional carrier
4	biochar	biochar as inoculant carrier (without powder carrier)
4	biochar	biochar only
40	crop rotation_fertilizer	farmyard manure
40	crop rotation_fertilizer	farmyard manure
40	crop rotation_fertilizer	fermented straw manure with water
40	crop rotation_fertilizer	fermented straw manure with water
40	crop rotation_fertilizer	lupine for green forage
40	crop rotation_fertilizer	lupine green and root manure
40	crop rotation_fertilizer	lupine green manure as a main crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	straw manure
38	compost_sewage sludge	no compost where applied
40	fallow	fallow
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
40	crop rotation_fertilizer	fermented straw manure with N
40	crop rotation_fertilizer	lupine for grain
40	crop rotation_fertilizer	fermented straw manure with water
40	crop rotation_fertilizer	lupine for grain
40	crop rotation_fertilizer	lupine for green forage
40	crop rotation_fertilizer	lupine green manure as a main crop
40	fallow	fallow
40	crop rotation_fertilizer	farmyard manure
40	crop rotation_fertilizer	farmyard manure
40	crop rotation_fertilizer	fermented straw manure with N

40	crop rotation_fertilizer	fermented straw manure with water
40	crop rotation_fertilizer	lupine green and root manure
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	lupine green manure as a second crop
40	crop rotation_fertilizer	straw manure
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
37	no_compost	no compost where applied
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
37	compost_sewage sludge	sewage sludge where applied
37	compost_sewage sludge	sewage sludge where applied
37	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
42	manure	farmyard manure
42	manure	farmyard manure plus mineral fertilizer
42	manure	green manure
42	manure	Sewage sludge compost 18 t /ha
42	manure	Sewage sludge compost 27 t /ha
38	no_compost	no compost where applied
42	fallow	fallow
4	biochar	biochar +inoculant with conventional carrier
4	biochar	biochar as inoculant carrier (without powder carrier)
4	biochar	biochar only
38	no_compost	no compost where applied
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
38	no_compost	no compost where applied
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied

42	manure	green manure
42	manure	farmyard manure
42	manure	farmyard manure plus mineral fertilizer
42	manure	Sewage sludge compost 18 t /ha
42	manure	Sewage sludge compost 27 t /ha
42	fallow	fallow
38	no_compost	no compost where applied
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
38	no_compost	no compost where applied
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
38	compost_sewage sludge	sewage sludge where applied
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
4	biochar	biochar +inoculant with conventional carrier
4	biochar	biochar as inoculant carrier (without powder carrier)
4	biochar	biochar only
41	fertilizer	N0: no mineral N
41	fertilizer	N1: 70 kg*ha−1 for maize, 50 kg*ha−1 for winter wheat
41	fertilizer	N2: 140 kg*ha−1 for maize, 100 kg*ha−1 for winter wh
41	fertilizer	N3: 210 kg*ha−1 for maize, 150 kg*ha−1 for winter wh
41	fertilizer	N4: 280 kg*ha−1 for maize, 200 kg*ha−1 for winter wh
41	farmyard manure	farmyard manure
41	farmyard manure	straw with 10 kg N /ha
41	no_amendment	no organic amendment where appiled
41	fertilizer	N0: no mineral N
41	farmyard manure	farmyard manure
41	farmyard manure	straw with 10 kg N /ha
41	fertilizer	N1: 70 kg*ha−1 for maize, 50 kg*ha−1 for winter wheat
41	fertilizer	N2: 140 kg*ha−1 for maize, 100 kg*ha−1 for winter wh
41	fertilizer	N3: 210 kg*ha−1 for maize, 150 kg*ha−1 for winter wh
41	fertilizer	N4: 280 kg*ha−1 for maize, 200 kg*ha−1 for winter wh
41	no_amendment	no organic amendment where appiled
41	fertilizer	N0: no mineral N
41	fertilizer	N1: 70 kg*ha−1 for maize, 50 kg*ha−1 for winter wheat
41	fertilizer	N2: 140 kg*ha−1 for maize, 100 kg*ha−1 for winter wh
41	fertilizer	N3: 210 kg*ha−1 for maize, 150 kg*ha−1 for winter wh
41	fertilizer	N4: 280 kg*ha−1 for maize, 200 kg*ha−1 for winter wh
41	farmyard manure	farmyard manure
41	farmyard manure	straw with 10 kg N /ha
41	no_amendment	no organic amendment where appiled
41	farmyard manure	farmyard manure
41	farmyard manure	straw with 10 kg N /ha
41	fertilizer	N0: no mineral N

41	fertilizer	N1: 70 kg*ha−1 for maize, 50 kg*ha−1 for winter wheat
41	fertilizer	N2: 140 kg*ha−1 for maize, 100 kg*ha−1 for winter wh
41	fertilizer	N3: 210 kg*ha−1 for maize, 150 kg*ha−1 for winter wh
41	fertilizer	N4: 280 kg*ha−1 for maize, 200 kg*ha−1 for winter wh
41	no_amendment	no organic amendment where appiled
31	tillage	Uncovered carrier deep
31	tillage	Uncovered Control
31	tillage	Uncovered IH deep + roller
31	tillage	Uncovered IH shallow + roller
31	tillage_crop residues	Covered Lemken deep
31	tillage_crop residues	Uncovered IH deep
31	tillage	Uncovered IH shallow
31	tillage	Uncovered Lemken shallow
31	tillage	Uncoveried Lemken deep
31	tillage_crop residues	Covered Carrier deep
31	tillage_crop residues	Covered Carrier shallow
31	tillage_crop residues	Covered IH deep
31	tillage_crop residues	Covered IH deep + roller
31	tillage_crop residues	Covered IH shallow
31	tillage	Uncovered Bird cultivator
31	tillage	Uncovered carrier shallow
31	tillage_crop residues	Covered Bird cultivator
31	tillage_crop residues	Covered control
31	tillage_crop residues	Covered IH shallow + roller
31	tillage_crop residues	Covered Lemken shallow
31	tillage	Uncovered IH shallow
31	tillage	Uncovered Lemken shallow
31	tillage	Uncoveried Lemken deep
31	tillage_crop residues	Covered Bird cultivator
31	tillage_crop residues	Covered Carrier deep
31	tillage_crop residues	Covered IH deep
31	tillage	Uncovered Bird cultivator
31	tillage	Uncovered Control
31	tillage	Uncovered IH deep + roller
31	tillage_crop residues	Covered Carrier shallow
31	tillage_crop residues	Covered IH deep + roller
31	tillage_crop residues	Covered IH shallow
31	tillage_crop residues	Covered IH shallow + roller
31	tillage_crop residues	Covered Lemken deep
31	tillage	Uncovered carrier deep
31	tillage	Uncovered carrier shallow
31	tillage	Uncovered IH shallow + roller
31	tillage_crop residues	Covered control
31	tillage_crop residues	Covered Lemken shallow
31	tillage_crop residues	Uncovered IH deep
31	tillage	Uncovered carrier shallow
31	tillage	Uncovered Control

31	tillage_crop residues	Covered Bird cultivator
31	tillage_crop residues	Covered Carrier shallow
31	tillage_crop residues	Covered IH deep
31	tillage_crop residues	Covered IH shallow + roller
31	tillage_crop residues	Covered Lemken deep
31	tillage_crop residues	Covered Lemken shallow
31	tillage_crop residues	Uncovered IH deep
31	tillage_crop residues	Covered Carrier deep
31	tillage_crop residues	Covered IH deep + roller
31	tillage	Uncovered Bird cultivator
31	tillage	Uncovered carrier deep
31	tillage	Uncovered IH deep + roller
31	tillage	Uncovered IH shallow
31	tillage	Uncovered IH shallow + roller
31	tillage	Uncovered Lemken shallow
31	tillage	Uncoveried Lemken deep
31	tillage_crop residues	Covered IH shallow
31	tillage_crop residues	Covered control
31	tillage	Uncovered Bird cultivator
31	tillage_crop residues	Covered Bird cultivator
31	tillage	Uncovered carrier deep
31	tillage	Uncovered Control
31	tillage	Uncovered IH shallow
31	tillage	Uncovered IH shallow + roller
31	tillage	Uncoveried Lemken deep
31	tillage	Uncovered carrier shallow
31	tillage	Uncovered IH deep + roller
31	tillage	Uncovered Lemken shallow
31	tillage_crop residues	Covered Carrier deep
31	tillage_crop residues	Covered Carrier shallow
31	tillage_crop residues	Covered control
31	tillage_crop residues	Covered IH deep
31	tillage_crop residues	Covered IH deep + roller
31	tillage_crop residues	Covered IH shallow
31	tillage_crop residues	Covered IH shallow + roller
31	tillage_crop residues	Covered Lemken deep
31	tillage_crop residues	Covered Lemken shallow
31	tillage_crop residues	Uncovered IH deep
31	tillage_crop residues	Covered IH deep
31	tillage_crop residues	Uncovered IH deep
31	tillage	Uncovered IH shallow
31	tillage	Uncovered IH shallow + roller
31	tillage	Uncoveried Lemken deep
31	tillage_crop residues	Covered Carrier deep
31	tillage_crop residues	Covered control
31	tillage_crop residues	Covered Lemken deep
31	tillage	Uncovered Bird cultivator

31	tillage	Uncovered carrier deep
31	tillage	Uncovered carrier shallow
31	tillage	Uncovered Control
31	tillage	Uncovered IH deep + roller
31	tillage	Uncovered Lemken shallow
31	tillage_crop residues	Covered Bird cultivator
31	tillage_crop residues	Covered Carrier shallow
31	tillage_crop residues	Covered IH deep + roller
31	tillage_crop residues	Covered IH shallow
31	tillage_crop residues	Covered IH shallow + roller
31	tillage_crop residues	Covered Lemken shallow
31	tillage_crop residues	Covered IH deep
31	tillage_crop residues	Covered IH deep + roller
31	tillage_crop residues	Covered IH shallow
31	tillage_crop residues	Covered IH shallow + roller
31	tillage_crop residues	Uncovered IH deep
31	tillage	Uncovered Bird cultivator
31	tillage	Uncovered IH deep + roller
31	tillage	Uncovered IH shallow
31	tillage	Uncovered Lemken shallow
31	tillage	Uncoveried Lemken deep
31	tillage_crop residues	Covered Bird cultivator
31	tillage_crop residues	Covered Carrier deep
31	tillage_crop residues	Covered Carrier shallow
31	tillage_crop residues	Covered Lemken shallow
31	tillage	Uncovered carrier deep
31	tillage	Uncovered carrier shallow
31	tillage	Uncovered Control
31	tillage	Uncovered IH shallow + roller
31	tillage_crop residues	Covered control
31	tillage_crop residues	Covered Lemken deep
12	natural grasslands	fine-scale habitat_woodcock
12	natural grasslands	fine-scale habitat_woodcock
33	no_tillage	no tillage system
33	tillage	conventional tillage
33	no_tillage	no tillage system
33	tillage	conventional tillage
35	grazed_land use	arable land
35	grazed_land use	Greazed by sheep
35	grazed_land use	The non-ploughed pasture site
35	grazed_land use	arable land
35	grazed_land use	Greazed by sheep
35	grazed_land use	The non-ploughed pasture site
35	grazed_land use	arable land
35	grazed_land use	Greazed by sheep
35	grazed_land use	The non-ploughed pasture site
35	grazed_land use	arable land

35	grazed_land use	Greazed by sheep
35	grazed_land use	The non-ploughed pasture site
16	tillage_irrigation_fertilizer	fertilizer application
16	tillage_irrigation	linnear irrigation
16	tillage_irrigation_mulch	muched soil
16	tillage_irrigation	drumirrigation
16	tillage_irrigation	non irrigation
16	tillage_irrigation_unmulch	unmuched soil
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
36	tillage_non_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_irrigation	strip tillage, ST (tillage depth: 0–15 cm)
36	tillage_non_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_non_irrigation	strip tillage, ST (tillage depth: 0–15 cm)
35	grazed_land use	arable land
35	grazed_land use	Greazed by sheep
35	grazed_land use	The non-ploughed pasture site
15	tillage	plouning
1	no_tillage	notill
1	no_tillage	notill
1	reduced_tillage	shallow_non_inversion
1	tillage	deep_non_inversion
21	tillage	disk tillage
21	tillage	plounghing
1	tillage	shallow_non_inversion
16	tillage_irrigation_fertilizer	fertilizer application
16	tillage_irrigation_fertilizer	fertilizer application
16	tillage_irrigation_mulch	muched soil
16	tillage_irrigation_mulch	muched soil
16	tillage_irrigation_unmulch	unmuched soil
16	tillage_irrigation_unmulch	unmuched soil
19	minimum_tillage	shallow tillage
21	minimum_tillage	shallow tillage
12	natural grasslands	fine-scale habitat_woodcock
12	natural grasslands	fine-scale habitat_woodcock
19	no_tillage	no till
15	no_tillage	no_till
1	tillage	deep_non_inversion
21	tillage	direct drilling
19	tillage	disk tillage
19	tillage	loosening

21	tillage	loosening
19	tillage	ploughing
15	tillage	subsoiling
19	tillage	tine tillage
21	tillage	tine tillage
16	tillage_irrigation	drumirrigation
16	tillage_irrigation	drumirrigation
16	tillage_irrigation	linnear irrigation
16	tillage_irrigation	linnear irrigation
16	tillage_irrigation	non irrigation
16	tillage_irrigation	non irrigation
15	tillage_mulch	tine tillage
35	grazed_land use	arable land
35	grazed_land use	The non-ploughed pasture site
12	natural grasslands	fine-scale habitat_woodcock
12	natural grasslands	fine-scale habitat_woodcock
35	grazed_land use	Greazed by sheep
10	mulch	autumn herbicide
10	mulch	autumn hoeing
10	mulch	autumn intercropping
10	mulch	spring herbicide
10	mulch	spring hoeing
10	mulch	spring intercorppin
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting

11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
33	no_tillage	no tillage system
33	no_tillage	no tillage system
33	tillage	conventional tillage
33	tillage	conventional tillage
35	grazed_land use	arable land
35	grazed_land use	Greazed by sheep
35	grazed_land use	The non-ploughed pasture site
15	strip-tillage	strip-tillage
15	strip-tillage	strip-tillage
33	no_tillage	no tillage system
33	tillage	conventional tillage
15	tillage	subsoiling
32	reduced_tillage	reduced tillage
33	no_tillage	no tillage system
32	strip-tillage	strip till system
33	tillage	conventional tillage
32	tillage	conventional ploughing tillage
32	tillage_mulch	mulch tillage cultivation system
12	natural grasslands	fine-scale habitat_woodcock
10	mulch	autumn herbicide
10	mulch	autumn hoeing
10	mulch	autumn intercropping
10	mulch	spring herbicide
10	mulch	spring hoeing
10	mulch	spring intercorppin
12	natural grasslands	fine-scale habitat_woodcock
35	grazed_land use	The non-ploughed pasture site
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
36	tillage_irrigation	strip tillage, ST (tillage depth: 0–15 cm)
36	tillage_non_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_non_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
36	tillage_non_irrigation	strip tillage, ST (tillage depth: 0–15 cm)

35	grazed_land use	arable land
35	grazed_land use	Greazed by sheep
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
16	tillage_irrigation	drumirrigation
16	tillage_irrigation	linnear irrigation
16	tillage_irrigation	non irrigation
16	tillage_irrigation_fertilizer	fertilizer application
16	tillage_irrigation_mulch	muched soil
16	tillage_irrigation_unmulch	unmuched soil
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
36	tillage_non_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_irrigation	strip tillage, ST (tillage depth: 0–15 cm)
36	tillage_non_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_non_irrigation	strip tillage, ST (tillage depth: 0–15 cm)
15	tillage	plouning
35	grazed_land use	arable land
35	grazed_land use	The non-ploughed pasture site
14	reduced_tillage	shallow cultivation
14	reduced_tillage	shallow cultivation
1	reduced_tillage	shallow_non_inversion
1	reduced_tillage	shallow_non_inversion
1	reduced_tillage	shallow_non_inversion
1	reduced_tillage	shallow_non_inversion
1	reduced_tillage_CC	shallow_non_inversion
14	tillage	deep cultivation

14	tillage	deep cultivation
14	tillage	disking
14	tillage	disking
14	tillage	loosning
14	tillage	loosning
14	tillage	plowing
36	tillage_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
36	tillage_irrigation	strip tillage, ST (tillage depth: 0–15 cm)
36	tillage_non_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_non_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
36	tillage_non_irrigation	strip tillage, ST (tillage depth: 0–15 cm)
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
35	grazed_land use	Greazed by sheep
12	natural grasslands	fine-scale habitat_woodcock
12	natural grasslands	fine-scale habitat_woodcock
14	no_tillage	no_till
14	no_tillage	no_till
15	no_tillage	no_till
32	reduced_tillage	reduced tillage
1	reduced_tillage	shallow_non_inversion
32	strip-tillage	strip till system
32	tillage	conventional ploughing tillage
15	tillage	plouning
14	tillage	plowing
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
32	tillage_mulch	mulch tillage cultivation system

35	grazed_land use	arable land
20	minimum_tillage	shallow tillage
1	no_tillage	notill
1	no_tillage	notill
1	tillage	deep_non_inversion
1	tillage	deep_non_inversion
20	tillage	direct drilling
20	tillage	direct drilling
20	tillage	disk tillage
20	tillage	loosening
20	tillage	plounghing
1	tillage	shallow_non_inversion
1	tillage	shallow_non_inversion
20	tillage	tine tillage
17	no_tillage	no tillage sysytem
20	tillage	disk tillage
17	tillage	ploughing
17	tillage	ploughing
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
36	tillage_non_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
43	agroforestry	meta data
43	cover crops (cc)	meta data
43	crop rotation	meta data
43	crop rotation	meta data
43	fertilizer	meta data
35	grazed_land use	Greazed by sheep
35	grazed_land use	The non-ploughed pasture site
20	minimum_tillage	shallow tillage
20	minimum_tillage	shallow tillage
17	no_tillage	no tillage sysytem
43	reduced_tillage	meta data
20	tillage	direct drilling
20	tillage	disk tillage
20	tillage	loosening
20	tillage	loosening
20	tillage	plounghing
20	tillage	plounghing
20	tillage	tine tillage
20	tillage	tine tillage
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_irrigation	strip tillage, ST (tillage depth: 0–15 cm)

36	tillage_non_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_non_irrigation	strip tillage, ST (tillage depth: 0–15 cm)
13	tillage	loosning
13	tillage	plowing
13	tillage	plowing
20	minimum_tillage	shallow tillage
1	reduced_tillage	shallow_non_inversion
1	reduced_tillage	shallow_non_inversion
1	reduced_tillage	shallow_non_inversion
1	reduced_tillage	shallow_non_inversion
1	reduced_tillage	shallow_non_inversion
1	reduced_tillage	shallow_non_inversion
20	tillage	loosening
20	tillage	plounghing
20	tillage	tine tillage
20	minimum_tillage	shallow tillage
20	minimum_tillage	shallow tillage
13	no_tillage	no_till
13	no_tillage	no_till
13	reduced_tillage	shallow cultivation
13	reduced_tillage	shallow cultivation
13	tillage	deep cultivation
13	tillage	deep cultivation
20	tillage	direct drilling
20	tillage	direct drilling
20	tillage	direct drilling
20	tillage	disk tillage
20	tillage	disk tillage
20	tillage	disk tillage
13	tillage	disking
13	tillage	disking
20	tillage	loosening
20	tillage	loosening
13	tillage	loosning
20	tillage	plounghing
20	tillage	plounghing
20	tillage	tine tillage
20	tillage	tine tillage
35	grazed_land use	arable land
10	mulch	spring herbicide
10	mulch	spring hoeing
10	mulch	spring intercorppin
35	grazed_land use	Greazed by sheep
35	grazed_land use	The non-ploughed pasture site
10	mulch	autumn herbicide
10	mulch	autumn hoeing
10	mulch	autumn intercropping

15	tillage_mulch	tine tillage
17	no_tillage	no tillage sysytem
17	no_tillage	no tillage sysytem
17	tillage	ploughing
17	tillage	ploughing
12	natural grasslands	fine-scale habitat_woodcock
12	natural grasslands	fine-scale habitat_woodcock
10	mulch	autumn herbicide
10	mulch	autumn hoeing
10	mulch	autumn intercropping
10	mulch	spring herbicide
10	mulch	spring hoeing
10	mulch	spring intercorppin
15	no_tillage	no_till
20	minimum_tillage	shallow tillage
17	no_tillage	no tillage sysytem
20	tillage	direct drilling
20	tillage	direct drilling
20	tillage	disk tillage
20	tillage	loosening
17	tillage	ploughing
17	tillage	ploughing
20	tillage	plounghing
20	tillage	tine tillage
19	minimum_tillage	shallow tillage
21	minimum_tillage	shallow tillage
19	no_tillage	no till
21	tillage	direct drilling
19	tillage	disk tillage
20	tillage	disk tillage
21	tillage	disk tillage
19	tillage	loosening
21	tillage	loosening
19	tillage	plounghing
21	tillage	plounghing
19	tillage	tine tillage
21	tillage	tine tillage
20	minimum_tillage	shallow tillage
20	minimum_tillage	shallow tillage
17	no_tillage	no tillage sysytem
20	tillage	direct drilling
20	tillage	disk tillage
20	tillage	loosening
20	tillage	loosening
20	tillage	plounghing
20	tillage	plounghing
20	tillage	tine tillage

20	tillage	tine tillage
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
11	forests	clear-cutting_forest harvesting
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_irrigation	strip tillage, ST (tillage depth: 0–15 cm)
36	tillage_non_irrigation	strip tillage, ST (tillage depth: 0–15 cm)
10	mulch	autumn herbicide
10	mulch	autumn hoeing
10	mulch	autumn intercropping
10	mulch	spring herbicide
10	mulch	spring hoeing
10	mulch	spring intercorppin
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK

36	tillage_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
36	tillage_non_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_non_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
33	no_tillage	no tillage system
33	tillage	conventional tillage
33	tillage	conventional tillage
33	no_tillage	no tillage system
21	tillage	disk tillage
21	tillage	plounghing
21	minimum_tillage	shallow tillage
21	tillage	direct drilling
21	tillage	loosening
21	tillage	tine tillage
22	reduced_tillage_CC	tine tillage
22	tillage_cc	direct drilling
22	tillage_cc	disk tillage
22	tillage_cc	loosening
22	tillage_cc	plounghing
22	tillage_cc	shallow tillage
32	reduced_tillage	reduced tillage
32	tillage	conventional ploughing tillage
36	tillage_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
36	tillage_irrigation	strip tillage, ST (tillage depth: 0–15 cm)
36	tillage_non_irrigation	ripper tillage, RT (tillage depth: 0–45 cm)
36	tillage_non_irrigation	plowing tillage, PT (tillage depth: 0–30 cm
36	tillage_non_irrigation	strip tillage, ST (tillage depth: 0–15 cm)
15	no_tillage	no_till
22	reduced_tillage_CC	tine tillage
32	strip-tillage	strip till system
22	tillage_cc	direct drilling
22	tillage_cc	disk tillage
22	tillage_cc	loosening
22	tillage_cc	plounghing
22	tillage_cc	shallow tillage
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
36	tillage_fertilizer_non_irrigation	plowing tillage, NPK
32	tillage_mulch	mulch tillage cultivation system
9	tillage	mold board ploughing tillage
9	tillage	shallow tine cultivation tillage
9	no_tillage	no tillage sysytem
9	tillage	mold board ploughing tillage

9	tillage	shallow tine cultivation tillage
9	no_tillage	no tillage sysytem
9	tillage	mold board ploughing tillage
9	no_tillage	no tillage sysytem
9	tillage	shallow tine cultivation tillage
9	no_tillage	no tillage sysytem
9	tillage	shallow tine cultivation tillage
9	tillage	mold board ploughing tillage
9	tillage	mold board ploughing tillage
9	no_tillage	no tillage sysytem
9	tillage	shallow tine cultivation tillage
9	tillage	mold board ploughing tillage
9	tillage	shallow tine cultivation tillage
9	no_tillage	no tillage sysytem
9	tillage	mold board ploughing tillage
9	no_tillage	no tillage sysytem
9	tillage	shallow tine cultivation tillage
34	tillage	conventional tillage without compost
34	tillage	conventional tillage without compost
34	tillage_compost	conventional tillage_with yard west compost
34	tillage_compost	conventional tillage_with yard west compost
34	tillage_compost	conventional tillage_with yard west compost
39	no_residue	no compost where applied
39	residue	plant residue compost
39	residue	plant residue compost
39	residue	plant residue compost
39	no_residue	no compost where applied
39	residue	plant residue compost
39	residue	plant residue compost
39	residue	plant residue compost
25	no_tillage	no till
25	tillage	discing
25	tillage	loosening plus ploughing
25	tillage	loosining plus discing
25	tillage	ploughing
27	fertilizer	0N kg/ha
27	fertilizer	0N kg/ha
27	fertilizer	08N kg/ha
27	fertilizer	08N kg/ha
27	fertilizer	120N kg/ha
27	fertilizer	120N kg/ha
39	no_residue	no compost where applied
39	residue	plant residue compost
39	residue	plant residue compost
39	residue	plant residue compost
39	no_residue	no compost where applied
39	residue	plant residue compost

39	residue	plant residue compost
39	residue	plant residue compost
39	no_residue	no compost where applied
39	residue	plant residue compost
39	residue	plant residue compost
39	residue	plant residue compost
25	tillage	discing
25	tillage	loosening plus ploughing
25	tillage	ploughing
25	no_tillage	no till
25	tillage	loosining plus discing
25	no_tillage	no till
25	tillage	discing
25	tillage	loosening plus ploughing
25	tillage	loosining plus discing
25	tillage	ploughing
26	tillage_fertilizer	loosened
26	tillage_fertilizer	loosened
26	tillage_fertilizer	loosened shallowy
26	tillage_fertilizer	loosened shallowy
26	tillage_fertilizer	ploughed
26	tillage_fertilizer	ploughed
26	tillage_fertilizer	settled
26	tillage_fertilizer	settled
43	agroforestry	meta data
43	agroforestry	meta data
43	cover crops (cc)	meta data
43	crop rotation	meta data
43	fertilizer	meta data
43	reduced_tillage	meta data
43	biowaste compost	meta data
27	fertilizer	0N kg/ha
27	fertilizer	0N kg/ha
27	fertilizer	08N kg/ha
27	fertilizer	08N kg/ha
27	fertilizer	120N kg/ha
27	fertilizer	120N kg/ha
28	tillage	conservation tillage
28	tillage	conventional ploughing tillage
28	tillage	conservation tillage
28	tillage	conventional ploughing tillage
28	tillage	conservation tillage
28	tillage	conventional ploughing tillage
28	tillage	conventional ploughing tillage
28	tillage	conservation tillage
28	tillage	conventional ploughing tillage
28	tillage	conservation tillage

28	tillage	conservation tillage
28	tillage	conventional ploughing tillage
28	tillage	conservation tillage
28	tillage	conventional ploughing tillage
28	tillage	conventional ploughing tillage
28	tillage	conservation tillage
28	tillage	conservation tillage
28	tillage	conventional ploughing tillage
28	tillage	conservation tillage
28	tillage	conventional ploughing tillage
28	tillage	conventional ploughing tillage
28	tillage	conservation tillage
28	tillage	conservation tillage
28	tillage	conventional ploughing tillage
28	tillage	conservation tillage
28	tillage	conventional ploughing tillage
29	tillage_residues	Conservation Tillage (CT)
29	tillage_residues	mouldboard ploughing tillage (PT)
29	tillage_residues	Conservation Tillage (CT)
29	tillage_residues	Conservation Tillage (CT)
29	tillage_residues	Conservation Tillage (CT)
29	tillage_residues	mouldboard ploughing tillage (PT)
29	tillage_residues	mouldboard ploughing tillage (PT)
29	tillage_residues	mouldboard ploughing tillage (PT)
7	tillage	conservation tillage
7	tillage	conservation tillage
7	tillage	conservation tillage
7	tillage	conservation tillage
8	minimum_tillage	direct drilling
8	tillage	disking
8	tillage	loosening plus disking
8	tillage	loosening puls plowing
8	tillage	plowing
6	amendments	inoculant_acidic
6	amendments	inoculant_acidic
6	amendments	inoculant_acidic
7	tillage	conservation tillage
8	tillage	loosening puls plowing
8	tillage	plowing
8	minimum_tillage	direct drilling
8	tillage	disking
8	tillage	loosening plus disking
3	tillage	shallow_non_inversion
3	tillage	shallow_non_inversion
2	reduced_tillage_CC	shallow_non_inversion
2	reduced_tillage_CC	shallow_non_inversion
2	reduced_tillage_CC	shallow_non_inversion

2	tillage	shallow_non_inversion
2	tillage	shallow_non_inversion
2	tillage	shallow_non_inversion
2	reduced_tillage_CC	shallow_non_inversion
2	reduced_tillage_CC	shallow_non_inversion
2	reduced_tillage_CC	shallow_non_inversion
2	tillage	shallow_non_inversion
2	tillage	shallow_non_inversion
2	tillage	shallow_non_inversion
7	tillage	conservation tillage
7	tillage	conservation tillage
7	tillage	conservation tillage
7	tillage	conservation tillage
7	tillage	conservation tillage
7	tillage	conservation tillage
7	tillage	conservation tillage
7	tillage	conservation tillage
24	tillage	autumn ploughing plus winter furrow plus rotory harrc
24	tillage	autumn ploughing plus winter furrow plus spike-harrov
24	tillage	autumn ploughing plus winter furrow plus spike-harrov
24	tillage	spring ploughing tillage with rotary harrow
24	tillage	spring ploughing tillage with seedbed preparation impl
8	minimum_tillage	direct drilling
8	tillage	plowing
8	tillage	disking
8	tillage	loosening plus disking
8	tillage	loosening puls plowing
24	tillage	autumn ploughing plus winter furrow plus rotory harrc
24	tillage	autumn ploughing plus winter furrow plus spike-harrov
24	tillage	autumn ploughing plus winter furrow plus spike-harrov
24	tillage	spring ploughing tillage with rotary harrow
24	tillage	spring ploughing tillage with seedbed preparation impl
3	tillage	shallow_non_inversion
3	tillage	shallow_non_inversion
24	tillage	autumn ploughing plus winter furrow plus spike-harrov
24	tillage	autumn ploughing plus winter furrow plus rotory harrc
24	tillage	autumn ploughing plus winter furrow plus spike-harrov
24	tillage	spring ploughing tillage with rotary harrow
24	tillage	spring ploughing tillage with seedbed preparation impl
3	tillage	shallow_non_inversion
3	tillage	shallow_non_inversion
24	tillage	autumn ploughing plus winter furrow plus rotory harrc
24	tillage	autumn ploughing plus winter furrow plus spike-harrov
24	tillage	autumn ploughing plus winter furrow plus spike-harrov
24	tillage	spring ploughing tillage with rotary harrow
24	tillage	spring ploughing tillage with seedbed preparation impl
24	tillage	spring ploughing tillage with rotary harrow

24	tillage	autumn ploughing plus winter furrow plus rotory harro
24	tillage	autumn ploughing plus winter furrow plus spike-harrov
24	tillage	autumn ploughing plus winter furrow plus spike-harrov
3	tillage	shallow_non_inversion
3	tillage	shallow_non_inversion
24	tillage	spring ploughing tillage with seedbed preparation impl
24	tillage	autumn ploughing plus winter furrow plus rotory harro
24	tillage	autumn ploughing plus winter furrow plus spike-harrov
24	tillage	autumn ploughing plus winter furrow plus spike-harrov
24	tillage	spring ploughing tillage with rotary harrow
24	tillage	spring ploughing tillage with seedbed preparation impl
7	tillage	conservation tillage
7	tillage	conservation tillage
7	tillage	conservation tillage
7	tillage	conservation tillage
3	tillage	shallow_non_inversion
3	tillage	shallow_non_inversion
6	amendments	inoculant_acidic
6	amendments	inoculant_acidic
6	amendments	inoculant_acidic
7	tillage	conservation tillage
18	minimum_tillage	shallow cultivation
18	minimum_tillage	shallow cultivation
18	minimum_tillage	shallow cultivation
18	tillage	deep cultivation
18	tillage	deep cultivation
18	tillage	deep cultivation
18	tillage	ploughing
18	tillage	ploughing
18	tillage	ploughing
18	tillage	deep cultivation
18	minimum_tillage	shallow cultivation
18	tillage	deep cultivation
18	tillage	ploughing
18	minimum_tillage	shallow cultivation
18	minimum_tillage	shallow cultivation
18	tillage	deep cultivation
18	tillage	ploughing
18	tillage	ploughing
18	tillage	ploughing
18	tillage	ploughing
18	tillage	ploughing
18	minimum_tillage	shallow cultivation
18	minimum_tillage	shallow cultivation
18	minimum_tillage	shallow cultivation
18	tillage	deep cultivation
18	tillage	deep cultivation

18	tillage	deep cultivation
18	tillage	ploughing
18	minimum_tillage	shallow cultivation
18	minimum_tillage	shallow cultivation
18	tillage	deep cultivation
18	tillage	deep cultivation
18	tillage	ploughing
18	tillage	ploughing
18	minimum_tillage	shallow cultivation
18	tillage	deep cultivation
6	amendments	inoculant_alkaline
6	amendments	inoculant_alkaline
6	amendments	inoculant_alkaline
6	amendments	inoculant_alkaline
6	amendments	inoculant_alkaline
6	amendments	inoculant_alkaline
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
5	biochar	biochar_medium
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
5	biochar	biochar_high
5	biochar	biochar_low
5	biochar	biochar_medium
5	biochar	biochar_low
5	biochar	biochar_medium
5	biochar	biochar_high
30	agroforestry_mulching	winter wheat straw 0.25 kg/m2
30	agroforestry_mulching	unmuched no ground cover
30	agroforestry_mulching	unmuched no ground cover
30	agroforestry_mulching	winter wheat straw 0.25 kg/m2
30	agroforestry_mulching	unmuched no ground cover
30	agroforestry_mulching	winter wheat straw 0.25 kg/m2
30	agroforestry_mulching	winter wheat straw 0.25 kg/m2

30	agroforestry_mulching	unmuched no ground cover
30	agroforestry_mulching	unmuched no ground cover
30	agroforestry_mulching	winter wheat straw 0.25 kg/m2
23	no_tillage	direct drilling
23	no_tillage	direct drilling
23	tillage	ploughing
23	tillage	ploughing
23	tillage	ridge till
23	tillage	ridge till
23	tillage_mulch	loosening disking25%
23	tillage_mulch	ploughing0%
23	tillage_mulch	tillage with cultivator35%

treatment_original	time_interval	location_city	location_region	latitude
		Hungary	meta data	meta data
		Hungary	meta data	meta data
		Hungary	meta data	meta data
		Hungary	meta data	meta data
		Hungary	meta data	meta data
		Hungary	meta data	meta data
B	0	Hungary	Nyírlugos	47.71669079
C	0	Hungary	Nyírlugos	47.71669079
A	0	Hungary	Nyírlugos	47.71669079
9 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
0 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
18 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
27 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
F		Hungary	Nyíregyháza	47.93964405
FM		Hungary	Nyíregyháza	47.93964405
FM+M		Hungary	Nyíregyháza	47.93964405
GM		Hungary	Nyíregyháza	47.93964405
SSC 18t/ha		Hungary	Nyíregyháza	47.93964405
SSC 27t/ha		Hungary	Nyíregyháza	47.93964405
9 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
18 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
27 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
0 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
BC 30 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 3 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 15 t/ha	2.5	Hungary	Nyírlugos	47°43’N
B	0	Hungary	Nyírlugos	47.71669079
B	0	Hungary	Nyírlugos	47.71669079
C	0	Hungary	Nyírlugos	47.71669079
C	0	Hungary	Nyírlugos	47.71669079
A	0	Hungary	Nyírlugos	47.71669079
A	0	Hungary	Nyírlugos	47.71669079
18 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
27 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
9 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
0 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
no fertilizer	90	Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N fertilizer	90	Hungary	Nyíregyháza	47.93964405

N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
N fertilizer	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
FM		Hungary	Nyíregyháza	47.93964405
SSC 18t/ha		Hungary	Nyíregyháza	47.93964405
0 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
9 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
18 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
27 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
FM+M		Hungary	Nyíregyháza	47.93964405
GM		Hungary	Nyíregyháza	47.93964405
SSC 27t/ha		Hungary	Nyíregyháza	47.93964405
F		Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N fertilizer	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
N fertilizer	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
no fertilizer	90	Hungary	Nyíregyháza	47.93964405
GM		Hungary	Nyíregyháza	47.93964405
9 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
N fertilizer	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
N fertilizer	90	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
no fertilizer	90	Hungary	Nyíregyháza	47.93964405
F		Hungary	Nyíregyháza	47.93964405
FM		Hungary	Nyíregyháza	47.93964405
FM+M		Hungary	Nyíregyháza	47.93964405
0 Mg/ha	20	Hungary	Nyíregyháza	47.93964405

18 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
27 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
SSC 18t/ha		Hungary	Nyíregyháza	47.93964405
SSC 27t/ha		Hungary	Nyíregyháza	47.93964405
BC 30 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 3 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 15 t/ha	2.5	Hungary	Nyírlugos	47°43’N
B	0	Hungary	Nyírlugos	47.71669079
C	0	Hungary	Nyírlugos	47.71669079
A	0	Hungary	Nyírlugos	47.71669079
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
N fertilizer	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
0 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
no fertilizer	90	Hungary	Nyíregyháza	47.93964405
9 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
18 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
27 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
N fertilizer	90	Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N fertilizer	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
N fertilizer	90	Hungary	Nyíregyháza	47.93964405
no fertilizer	90	Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405

N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
N-fertilizer	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
no fertilizers	90	Hungary	Nyíregyháza	47.93964405
N, P, K-fertilizers	90	Hungary	Nyíregyháza	47.93964405
BC 30 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 3 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 15 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 30 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 3 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 15 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 30 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 3 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 15 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 30 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 3 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 15 t/ha	2.5	Hungary	Nyírlugos	47°43’N
0 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
BC 30 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 3 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 15 t/ha	2.5	Hungary	Nyírlugos	47°43’N
9 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
18 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
27 Mg/ha	5	Hungary	Nyíregyháza	47.93964405
9 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
18 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
27 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
FM		Hungary	Nyíregyháza	47.93964405
FM+M		Hungary	Nyíregyháza	47.93964405
GM		Hungary	Nyíregyháza	47.93964405
SSC 18t/ha		Hungary	Nyíregyháza	47.93964405
SSC 27t/ha		Hungary	Nyíregyháza	47.93964405
0 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
F		Hungary	Nyíregyháza	47.93964405
B	0	Hungary	Nyírlugos	47.71669079
C	0	Hungary	Nyírlugos	47.71669079
A	0	Hungary	Nyírlugos	47.71669079
0 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
9 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
18 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
27 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
0 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
9 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
18 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
27 Mg/ha	20	Hungary	Nyíregyháza	47.93964405

GM		Hungary	Nyíregyháza	47.93964405
FM		Hungary	Nyíregyháza	47.93964405
FM+M		Hungary	Nyíregyháza	47.93964405
SSC 18t/ha		Hungary	Nyíregyháza	47.93964405
SSC 27t/ha		Hungary	Nyíregyháza	47.93964405
F		Hungary	Nyíregyháza	47.93964405
0 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
9 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
18 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
27 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
0 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
9 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
18 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
27 Mg/ha	20	Hungary	Nyíregyháza	47.93964405
BC 30 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 3 t/ha	2.5	Hungary	Nyírlugos	47°43’N
BC 15 t/ha	2.5	Hungary	Nyírlugos	47°43’N
B	0	Hungary	Nyírlugos	47.71669079
C	0	Hungary	Nyírlugos	47.71669079
A	0	Hungary	Nyírlugos	47.71669079
	2	Hungary	Keszthely	46.75005878
t and 0 kg*ha−1 for wi	2	Hungary	Keszthely	46.75005878
eat and 0 kg*ha−1 for	2	Hungary	Keszthely	46.75005878
eat and 40 kg*ha−1 fo	2	Hungary	Keszthely	46.75005878
eat and 80 kg*ha−1 fo	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
t and 0 kg*ha−1 for wi	2	Hungary	Keszthely	46.75005878
eat and 0 kg*ha−1 for	2	Hungary	Keszthely	46.75005878
eat and 40 kg*ha−1 fo	2	Hungary	Keszthely	46.75005878
eat and 80 kg*ha−1 fo	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
t and 0 kg*ha−1 for wi	2	Hungary	Keszthely	46.75005878
eat and 0 kg*ha−1 for	2	Hungary	Keszthely	46.75005878
eat and 40 kg*ha−1 fo	2	Hungary	Keszthely	46.75005878
eat and 80 kg*ha−1 fo	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878

t and 0 kg*ha−1 for wi	2	Hungary	Keszthely	46.75005878
eat and 0 kg*ha−1 for	2	Hungary	Keszthely	46.75005878
eat and 40 kg*ha−1 fo	2	Hungary	Keszthely	46.75005878
eat and 80 kg*ha−1 fo	2	Hungary	Keszthely	46.75005878
	2	Hungary	Keszthely	46.75005878
Cd	10	Hungary	Békésszentandrás	46.83658649
K	10	Hungary	Békésszentandrás	46.83658649
IH dr	10	Hungary	Békésszentandrás	46.83658649
IH sr	10	Hungary	Békésszentandrás	46.83658649
Ld	10	Hungary	Békésszentandrás	46.83658649
IH d	10	Hungary	Békésszentandrás	46.83658649
IH s	10	Hungary	Békésszentandrás	46.83658649
Ls	10	Hungary	Békésszentandrás	46.83658649
LD	10	Hungary	Békésszentandrás	46.83658649
Cd	10	Hungary	Békésszentandrás	46.83658649
Cs	10	Hungary	Békésszentandrás	46.83658649
IH d	10	Hungary	Békésszentandrás	46.83658649
IH dr	10	Hungary	Békésszentandrás	46.83658649
IH s	10	Hungary	Békésszentandrás	46.83658649
B	10	Hungary	Békésszentandrás	46.83658649
Cs	10	Hungary	Békésszentandrás	46.83658649
B	10	Hungary	Békésszentandrás	46.83658649
K	10	Hungary	Békésszentandrás	46.83658649
IH sr	10	Hungary	Békésszentandrás	46.83658649
Ls	10	Hungary	Békésszentandrás	46.83658649
IH s	10	Hungary	Békésszentandrás	46.83658649
Ls	10	Hungary	Békésszentandrás	46.83658649
LD	10	Hungary	Békésszentandrás	46.83658649
B	10	Hungary	Békésszentandrás	46.83658649
Cd	10	Hungary	Békésszentandrás	46.83658649
IH d	10	Hungary	Békésszentandrás	46.83658649
B	10	Hungary	Békésszentandrás	46.83658649
K	10	Hungary	Békésszentandrás	46.83658649
IH dr	10	Hungary	Békésszentandrás	46.83658649
Cs	10	Hungary	Békésszentandrás	46.83658649
IH dr	10	Hungary	Békésszentandrás	46.83658649
IH s	10	Hungary	Békésszentandrás	46.83658649
IH sr	10	Hungary	Békésszentandrás	46.83658649
Ld	10	Hungary	Békésszentandrás	46.83658649
Cd	10	Hungary	Békésszentandrás	46.83658649
Cs	10	Hungary	Békésszentandrás	46.83658649
IH sr	10	Hungary	Békésszentandrás	46.83658649
K	10	Hungary	Békésszentandrás	46.83658649
Ls	10	Hungary	Békésszentandrás	46.83658649
IH d	10	Hungary	Békésszentandrás	46.83658649
Cs	10	Hungary	Békésszentandrás	46.83658649
K	10	Hungary	Békésszentandrás	46.83658649

B	10	Hungary	Békésszentandrás	46.83658649
Cs	10	Hungary	Békésszentandrás	46.83658649
IH d	10	Hungary	Békésszentandrás	46.83658649
IH sr	10	Hungary	Békésszentandrás	46.83658649
Ld	10	Hungary	Békésszentandrás	46.83658649
Ls	10	Hungary	Békésszentandrás	46.83658649
IH d	10	Hungary	Békésszentandrás	46.83658649
Cd	10	Hungary	Békésszentandrás	46.83658649
IH dr	10	Hungary	Békésszentandrás	46.83658649
B	10	Hungary	Békésszentandrás	46.83658649
Cd	10	Hungary	Békésszentandrás	46.83658649
IH dr	10	Hungary	Békésszentandrás	46.83658649
IH s	10	Hungary	Békésszentandrás	46.83658649
IH sr	10	Hungary	Békésszentandrás	46.83658649
Ls	10	Hungary	Békésszentandrás	46.83658649
LD	10	Hungary	Békésszentandrás	46.83658649
IH s	10	Hungary	Békésszentandrás	46.83658649
K	10	Hungary	Békésszentandrás	46.83658649
B	10	Hungary	Békésszentandrás	46.83658649
B	10	Hungary	Békésszentandrás	46.83658649
Cd	10	Hungary	Békésszentandrás	46.83658649
K	10	Hungary	Békésszentandrás	46.83658649
IH s	10	Hungary	Békésszentandrás	46.83658649
IH sr	10	Hungary	Békésszentandrás	46.83658649
LD	10	Hungary	Békésszentandrás	46.83658649
Cs	10	Hungary	Békésszentandrás	46.83658649
IH dr	10	Hungary	Békésszentandrás	46.83658649
Ls	10	Hungary	Békésszentandrás	46.83658649
Cd	10	Hungary	Békésszentandrás	46.83658649
Cs	10	Hungary	Békésszentandrás	46.83658649
K	10	Hungary	Békésszentandrás	46.83658649
IH d	10	Hungary	Békésszentandrás	46.83658649
IH dr	10	Hungary	Békésszentandrás	46.83658649
IH s	10	Hungary	Békésszentandrás	46.83658649
IH sr	10	Hungary	Békésszentandrás	46.83658649
Ld	10	Hungary	Békésszentandrás	46.83658649
Ls	10	Hungary	Békésszentandrás	46.83658649
IH d	10	Hungary	Békésszentandrás	46.83658649
IH d	10	Hungary	Békésszentandrás	46.83658649
IH d	10	Hungary	Békésszentandrás	46.83658649
IH s	10	Hungary	Békésszentandrás	46.83658649
IH sr	10	Hungary	Békésszentandrás	46.83658649
LD	10	Hungary	Békésszentandrás	46.83658649
Cd	10	Hungary	Békésszentandrás	46.83658649
K	10	Hungary	Békésszentandrás	46.83658649
Ld	10	Hungary	Békésszentandrás	46.83658649
B	10	Hungary	Békésszentandrás	46.83658649

Cd	10	Hungary	Békésszentandrás	46.83658649
Cs	10	Hungary	Békésszentandrás	46.83658649
K	10	Hungary	Békésszentandrás	46.83658649
IH dr	10	Hungary	Békésszentandrás	46.83658649
Ls	10	Hungary	Békésszentandrás	46.83658649
B	10	Hungary	Békésszentandrás	46.83658649
Cs	10	Hungary	Békésszentandrás	46.83658649
IH dr	10	Hungary	Békésszentandrás	46.83658649
IH s	10	Hungary	Békésszentandrás	46.83658649
IH sr	10	Hungary	Békésszentandrás	46.83658649
Ls	10	Hungary	Békésszentandrás	46.83658649
IH d	10	Hungary	Békésszentandrás	46.83658649
IH dr	10	Hungary	Békésszentandrás	46.83658649
IH s	10	Hungary	Békésszentandrás	46.83658649
IH sr	10	Hungary	Békésszentandrás	46.83658649
IH d	10	Hungary	Békésszentandrás	46.83658649
B	10	Hungary	Békésszentandrás	46.83658649
IH dr	10	Hungary	Békésszentandrás	46.83658649
IH s	10	Hungary	Békésszentandrás	46.83658649
Ls	10	Hungary	Békésszentandrás	46.83658649
LD	10	Hungary	Békésszentandrás	46.83658649
B	10	Hungary	Békésszentandrás	46.83658649
Cd	10	Hungary	Békésszentandrás	46.83658649
Cs	10	Hungary	Békésszentandrás	46.83658649
Ls	10	Hungary	Békésszentandrás	46.83658649
Cd	10	Hungary	Békésszentandrás	46.83658649
Cs	10	Hungary	Békésszentandrás	46.83658649
K	10	Hungary	Békésszentandrás	46.83658649
IH sr	10	Hungary	Békésszentandrás	46.83658649
K	10	Hungary	Békésszentandrás	46.83658649
Ld	10	Hungary	Békésszentandrás	46.83658649
A		Hungary	Gödöllő	47.62694
B		Hungary	Gödöllő	47.62694
	2	Hungary	Fejér county	47.12406408
	2	Hungary	Fejér county	47.12406408
	2	Hungary	Fejér county	47.12406408
	2	Hungary	Fejér county	47.12406408
HSNA		Hungary	Nádudvar	47.43038284
HSCP		Hungary	Nádudvar	47.43038284
HSNP		Hungary	Nádudvar	47.43038284
HSNA		Hungary	Nádudvar	47.43038284
HSCP		Hungary	Nádudvar	47.43038284
HSNP		Hungary	Nádudvar	47.43038284
HSNA		Hungary	Nádudvar	47.43038284
HSCP		Hungary	Nádudvar	47.43038284
HSNP		Hungary	Nádudvar	47.43038284
HSNA		Hungary	Nádudvar	47.43038284

HSCP		Hungary	Nádudvar	47.43038284
HSNP		Hungary	Nádudvar	47.43038284
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
PT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
HSNA		Hungary	Nádudvar	47.43038284
HSCP		Hungary	Nádudvar	47.43038284
HSNP		Hungary	Nádudvar	47.43038284
	18	Hungary	Gödöllő	47.62694
NT	14	Hungary	Józsefmajor	47.69184771
NT	14	Hungary	Józsefmajor	47.69184771
D	14	Hungary	Józsefmajor	47.69184771
DC	14	Hungary	Józsefmajor	47.69184771
D		Hungary	Hatvan	47.69330649
P		Hungary	Hatvan	47.69330649
D	14	Hungary	Józsefmajor	47.69184771
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
ST	4	Hungary	Hatvan	47.69330649
ST		Hungary	Hatvan	47.69330649
A		Hungary	Gödöllő	47.62694
B		Hungary	Gödöllő	47.62694
NT	4	Hungary	Hatvan	47.69330649
	11	Hungary	Gödöllő	47.62694
SC	14	Hungary	Józsefmajor	47.69184771
DD		Hungary	Hatvan	47.69330649
DT	4	Hungary	Hatvan	47.69330649
L	4	Hungary	Hatvan	47.69330649

L		Hungary	Hatvan	47.69330649
P	4	Hungary	Hatvan	47.69330649
	18	Hungary	Gödöllő	47.62694
T	4	Hungary	Hatvan	47.69330649
T		Hungary	Hatvan	47.69330649
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	18	Hungary	Gödöllő	47.62694
HSNA		Hungary	Nádudvar	47.43038284
HSNP		Hungary	Nádudvar	47.43038284
A		Hungary	Gödöllő	47.62694
B		Hungary	Gödöllő	47.62694
HSCP		Hungary	Nádudvar	47.43038284
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216

T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
	2	Hungary	Fejér county	47.12406408
	2	Hungary	Fejér county	47.12406408
	2	Hungary	Fejér county	47.12406408
	2	Hungary	Fejér county	47.12406408
HSNA		Hungary	Nádudvar	47.43038284
HSCP		Hungary	Nádudvar	47.43038284
HSNP		Hungary	Nádudvar	47.43038284
	18	Hungary	Gödöllő	47.62694
	18	Hungary	Gödöllő	47.62694
	2	Hungary	Fejér county	47.12406408
	2	Hungary	Fejér county	47.12406408
	18	Hungary	Gödöllő	47.62694
	6	Hungary	Nádudvar	47.43038284
	2	Hungary	Fejér county	47.12406408
	6	Hungary	Nádudvar	47.43038284
	2	Hungary	Fejér county	47.12406408
	6	Hungary	Nádudvar	47.43038284
	6	Hungary	Nádudvar	47.43038284
A		Hungary	Gödöllő	47.62694
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
B		Hungary	Gödöllő	47.62694
HSNP		Hungary	Nádudvar	47.43038284
PT	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162

HSNA		Hungary	Nádudvar	47.43038284
HSCP		Hungary	Nádudvar	47.43038284
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T2	4	Hungary	Mezőség Loess Ridge	47.31216
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
	4	Hungary	Szolnok	46.92119503
PT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
	20	Hungary	Gödöllő	47.62694
HSNA		Hungary	Nádudvar	47.43038284
HSNP		Hungary	Nádudvar	47.43038284
SC	16	Hungary	Hatvan	47.69236443
SC	16	Hungary	Hatvan	47.69236443
D	22	Hungary	Józsefmajor	47.69184771
D	23	Hungary	Józsefmajor	47.69184771
D	24	Hungary	Józsefmajor	47.69184771
D	25	Hungary	Józsefmajor	47.69184771
D	26	Hungary	Józsefmajor	47.69184771
DC	16	Hungary	Hatvan	47.69236443

DC	16	Hungary	Hatvan	47.69236443
D	16	Hungary	Hatvan	47.69236443
D	16	Hungary	Hatvan	47.69236443
L	16	Hungary	Hatvan	47.69236443
L	16	Hungary	Hatvan	47.69236443
P	16	Hungary	Hatvan	47.69236443
RT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
HSCP		Hungary	Nádudvar	47.43038284
A		Hungary	Gödöllő	47.62694
B		Hungary	Gödöllő	47.62694
NT	16	Hungary	Hatvan	47.69236443
NT	16	Hungary	Hatvan	47.69236443
	18	Hungary	Gödöllő	47.62694
	6	Hungary	Nádudvar	47.43038284
D	21	Hungary	Józsefmajor	47.69184771
	6	Hungary	Nádudvar	47.43038284
	6	Hungary	Nádudvar	47.43038284
	19	Hungary	Gödöllő	47.62694
P	16	Hungary	Hatvan	47.69236443
PT	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
	6	Hungary	Nádudvar	47.43038284

HSNA		Hungary	Nádudvar	47.43038284
ST		Hungary	Hatvan	47.69330649
NT	13	Hungary	Józsefmajor	47.69184771
NT	13	Hungary	Józsefmajor	47.69184771
SC	13	Hungary	Józsefmajor	47.69184771
DC	13	Hungary	Józsefmajor	47.69184771
DD		Hungary	Hatvan	47.69330649
DD		Hungary	Hatvan	47.69330649
D		Hungary	Hatvan	47.69330649
L		Hungary	Hatvan	47.69330649
P		Hungary	Hatvan	47.69330649
D	13	Hungary	Józsefmajor	47.69184771
D	13	Hungary	Józsefmajor	47.69184771
T		Hungary	Hatvan	47.69330649
	4	Hungary	Hatvan	47.69217498
D		Hungary	Hatvan	47.69330649
	4	Hungary	Hatvan	47.69217498
	4	Hungary	Hatvan	47.69217498
PT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
		Hungary	meta data	meta data
		Hungary	meta data	meta data
		Hungary	meta data	meta data
		Hungary	meta data	meta data
		Hungary	meta data	meta data
HSCP		Hungary	Nádudvar	47.43038284
HSNP		Hungary	Nádudvar	47.43038284
ST		Hungary	Hatvan	47.69330649
ST		Hungary	Hatvan	47.69330649
	4	Hungary	Hatvan	47.69217498
		Hungary	meta data	meta data
DD		Hungary	Hatvan	47.69330649
D		Hungary	Hatvan	47.69330649
L		Hungary	Hatvan	47.69330649
L		Hungary	Hatvan	47.69330649
P		Hungary	Hatvan	47.69330649
P		Hungary	Hatvan	47.69330649
T		Hungary	Hatvan	47.69330649
T		Hungary	Hatvan	47.69330649
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162

RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
L	16	Hungary	Hatvan	47.69236443
P	16	Hungary	Hatvan	47.69236443
P	16	Hungary	Hatvan	47.69236443
ST		Hungary	Hatvan	47.69330649
D	15	Hungary	Józsefmajor	47.69184771
D	16	Hungary	Józsefmajor	47.69184771
D	17	Hungary	Józsefmajor	47.69184771
D	18	Hungary	Józsefmajor	47.69184771
D	19	Hungary	Józsefmajor	47.69184771
D	20	Hungary	Józsefmajor	47.69184771
L		Hungary	Hatvan	47.69330649
P		Hungary	Hatvan	47.69330649
T		Hungary	Hatvan	47.69330649
ST		Hungary	Hatvan	47.69330649
ST		Hungary	Hatvan	47.69330649
NT	16	Hungary	Hatvan	47.69236443
NT	16	Hungary	Hatvan	47.69236443
SC	16	Hungary	Hatvan	47.69236443
SC	16	Hungary	Hatvan	47.69236443
DC	16	Hungary	Hatvan	47.69236443
DC	16	Hungary	Hatvan	47.69236443
DD		Hungary	Hatvan	47.69330649
DD		Hungary	Hatvan	47.69330649
DD		Hungary	Hatvan	47.69330649
D		Hungary	Hatvan	47.69330649
D		Hungary	Hatvan	47.69330649
D		Hungary	Hatvan	47.69330649
D	16	Hungary	Hatvan	47.69236443
D	16	Hungary	Hatvan	47.69236443
L		Hungary	Hatvan	47.69330649
L		Hungary	Hatvan	47.69330649
L	16	Hungary	Hatvan	47.69236443
P		Hungary	Hatvan	47.69330649
P		Hungary	Hatvan	47.69330649
T		Hungary	Hatvan	47.69330649
T		Hungary	Hatvan	47.69330649
HSNA		Hungary	Nádudvar	47.43038284
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
HSCP		Hungary	Nádudvar	47.43038284
HSNP		Hungary	Nádudvar	47.43038284
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783

	18	Hungary	Gödöllő	47.62694
	4	Hungary	Hatvan	47.69217498
	4	Hungary	Hatvan	47.69217498
	4	Hungary	Hatvan	47.69217498
	4	Hungary	Hatvan	47.69217498
A		Hungary	Gödöllő	47.62694
B		Hungary	Gödöllő	47.62694
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	18	Hungary	Gödöllő	47.62694
ST		Hungary	Hatvan	47.69330649
	4	Hungary	Hatvan	47.69217498
DD		Hungary	Hatvan	47.69330649
DD		Hungary	Hatvan	47.69330649
D		Hungary	Hatvan	47.69330649
L		Hungary	Hatvan	47.69330649
	4	Hungary	Hatvan	47.69217498
	4	Hungary	Hatvan	47.69217498
P		Hungary	Hatvan	47.69330649
T		Hungary	Hatvan	47.69330649
ST	4	Hungary	Hatvan	47.69330649
ST		Hungary	Hatvan	47.69330649
NT	4	Hungary	Hatvan	47.69330649
DD		Hungary	Hatvan	47.69330649
DT	4	Hungary	Hatvan	47.69330649
D		Hungary	Hatvan	47.69330649
D		Hungary	Hatvan	47.69330649
L	4	Hungary	Hatvan	47.69330649
L		Hungary	Hatvan	47.69330649
P	4	Hungary	Hatvan	47.69330649
P		Hungary	Hatvan	47.69330649
T	4	Hungary	Hatvan	47.69330649
T		Hungary	Hatvan	47.69330649
ST		Hungary	Hatvan	47.69330649
ST		Hungary	Hatvan	47.69330649
	4	Hungary	Hatvan	47.69217498
DD		Hungary	Hatvan	47.69330649
D		Hungary	Hatvan	47.69330649
L		Hungary	Hatvan	47.69330649
L		Hungary	Hatvan	47.69330649
P		Hungary	Hatvan	47.69330649
P		Hungary	Hatvan	47.69330649
T		Hungary	Hatvan	47.69330649

T		Hungary	Hatvan	47.69330649
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T1	4	Hungary	Mezőség Loess Ridge	47.30908336
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
T2	4	Hungary	Mezőség Loess Ridge	47.31216
ST	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
	2	Hungary	Debrecen	47.55358783
PT	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162

RT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
	2	Hungary	Fejér county	47.12406408
	2	Hungary	Fejér county	47.12406408
	2	Hungary	Fejér county	47.12406408
	2	Hungary	Fejér county	47.12406408
D		Hungary	Hatvan	47.69330649
P		Hungary	Hatvan	47.69330649
ST		Hungary	Hatvan	47.69330649
DD		Hungary	Hatvan	47.69330649
L		Hungary	Hatvan	47.69330649
T		Hungary	Hatvan	47.69330649
T	14	Hungary	Hatvan	47.69330649
DD	14	Hungary	Hatvan	47.69330649
D	14	Hungary	Hatvan	47.69330649
L	14	Hungary	Hatvan	47.69330649
P	14	Hungary	Hatvan	47.69330649
ST	14	Hungary	Hatvan	47.69330649
	6	Hungary	Nádudvar	47.43038284
	6	Hungary	Nádudvar	47.43038284
RT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
	11	Hungary	Gödöllő	47.62694
T	14	Hungary	Hatvan	47.69330649
	6	Hungary	Nádudvar	47.43038284
DD	14	Hungary	Hatvan	47.69330649
D	14	Hungary	Hatvan	47.69330649
L	14	Hungary	Hatvan	47.69330649
P	14	Hungary	Hatvan	47.69330649
ST	14	Hungary	Hatvan	47.69330649
PT	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
PT	30	Hungary	Debrecen	47.55027162
RT	30	Hungary	Debrecen	47.55027162
ST	30	Hungary	Debrecen	47.55027162
	6	Hungary	Nádudvar	47.43038284
P	18	Hungary	Gödöllo	47.69340476
SC	18	Hungary	Gödöllo	47.69340476
NT	18	Hungary	Gödöllo	47.69340476
P	18	Hungary	Gödöllo	47.69340476

SC	18	Hungary	Gödöllo	47.69340476
NT	18	Hungary	Gödöllo	47.69340476
P	18	Hungary	Gödöllo	47.69340476
NT	18	Hungary	Gödöllo	47.69340476
SC	18	Hungary	Gödöllo	47.69340476
NT	18	Hungary	Gödöllo	47.69340476
SC	18	Hungary	Gödöllo	47.69340476
P	18	Hungary	Gödöllo	47.69340476
P	18	Hungary	Gödöllo	47.69340476
NT	18	Hungary	Gödöllo	47.69340476
SC	18	Hungary	Gödöllo	47.69340476
P	18	Hungary	Gödöllo	47.69340476
SC	18	Hungary	Gödöllo	47.69340476
NT	18	Hungary	Gödöllo	47.69340476
P	18	Hungary	Gödöllo	47.69340476
NT	18	Hungary	Gödöllo	47.69340476
SC	18	Hungary	Gödöllo	47.69340476
		Hungary	Terény	47.95012798
		Hungary	Terény	47.95012798
		Hungary	Terény	47.95012798
		Hungary	Terény	47.95012798
		Hungary	Terény	47.95012798
0m/m		Hungary	Gödöllő	47.62694
2.5m/m		Hungary	Gödöllő	47.62694
5m/m		Hungary	Gödöllő	47.62694
10m/m		Hungary	Gödöllő	47.62694
0m/m		Hungary	Gödöllő	47.62694
2.5m/m		Hungary	Gödöllő	47.62694
5m/m		Hungary	Gödöllő	47.62694
10m/m		Hungary	Gödöllő	47.62694
NT	3	Hungary	Gödöllő	47.62694
D	3	Hungary	Gödöllő	47.62694
L+P	3	Hungary	Gödöllő	47.62694
L+D	3	Hungary	Gödöllő	47.62694
P	3	Hungary	Gödöllő	47.62694
		Hungary	Hatvan	47.69330649
		Hungary	Hatvan	47.69330649
		Hungary	Hatvan	47.69330649
		Hungary	Hatvan	47.69330649
		Hungary	Hatvan	47.69330649
		Hungary	Hatvan	47.69330649
0m/m		Hungary	Gödöllő	47.62694
2.5m/m		Hungary	Gödöllő	47.62694
5m/m		Hungary	Gödöllő	47.62694
10m/m		Hungary	Gödöllő	47.62694
0m/m		Hungary	Gödöllő	47.62694
2.5m/m		Hungary	Gödöllő	47.62694

5m/m		Hungary	Gödöllő	47.62694
10m/m		Hungary	Gödöllő	47.62694
0m/m		Hungary	Gödöllő	47.62694
2.5m/m		Hungary	Gödöllő	47.62694
5m/m		Hungary	Gödöllő	47.62694
10m/m		Hungary	Gödöllő	47.62694
D	3	Hungary	Gödöllő	47.62694
L+P	3	Hungary	Gödöllő	47.62694
P	3	Hungary	Gödöllő	47.62694
NT	3	Hungary	Gödöllő	47.62694
L+D	3	Hungary	Gödöllő	47.62694
NT	3	Hungary	Gödöllő	47.62694
D	3	Hungary	Gödöllő	47.62694
L+P	3	Hungary	Gödöllő	47.62694
L+D	3	Hungary	Gödöllő	47.62694
P	3	Hungary	Gödöllő	47.62694
	11	Hungary	Gödöllő	47.62694
	2	Hungary	Hatvan	47.69330649
	11	Hungary	Gödöllő	47.62694
	2	Hungary	Hatvan	47.69330649
	11	Hungary	Gödöllő	47.62694
	2	Hungary	Hatvan	47.69330649
	11	Hungary	Gödöllő	47.62694
	2	Hungary	Hatvan	47.69330649
		Hungary	meta data	meta data
		Hungary	meta data	meta data
		Hungary	meta data	meta data
		Hungary	meta data	meta data
		Hungary	meta data	meta data
		Hungary	meta data	meta data
		Hungary	meta data	meta data
		Hungary	Hatvan	47.69330649
		Hungary	Hatvan	47.69330649
		Hungary	Hatvan	47.69330649
		Hungary	Hatvan	47.69330649
		Hungary	Hatvan	47.69330649
		Hungary	Hatvan	47.69330649
CT	17	Hungary	Dióskál	46.70423744
PT	17	Hungary	Dióskál	46.70423744
CT	17	Hungary	Dióskál	46.70423744
PT	17	Hungary	Dióskál	46.70423744
CT	17	Hungary	Dióskál	46.70423744
PT	17	Hungary	Dióskál	46.70423744
PT	17	Hungary	Dióskál	46.70423744
CT	17	Hungary	Dióskál	46.70423744
PT	17	Hungary	Dióskál	46.70423744
CT	17	Hungary	Dióskál	46.70423744

CT	17	Hungary	Dióskál	46.70423744
PT	17	Hungary	Dióskál	46.70423744
CT	17	Hungary	Dióskál	46.70423744
PT	17	Hungary	Dióskál	46.70423744
PT	17	Hungary	Dióskál	46.70423744
CT	17	Hungary	Dióskál	46.70423744
CT	17	Hungary	Dióskál	46.70423744
PT	17	Hungary	Dióskál	46.70423744
CT	17	Hungary	Dióskál	46.70423744
PT	17	Hungary	Dióskál	46.70423744
PT	17	Hungary	Dióskál	46.70423744
CT	17	Hungary	Dióskál	46.70423744
CT	17	Hungary	Dióskál	46.70423744
PT	17	Hungary	Dióskál	46.70423744
CT	17	Hungary	Dióskál	46.70423744
PT	17	Hungary	Dióskál	46.70423744
CT	10	Hungary	Dióskál	46.70423744
PT	10	Hungary	Dióskál	46.70423744
CT	10	Hungary	Dióskál	46.70423744
CT	10	Hungary	Dióskál	46.70423744
CT	10	Hungary	Dióskál	46.70423744
PT	10	Hungary	Dióskál	46.70423744
PT	10	Hungary	Dióskál	46.70423744
PT	10	Hungary	Dióskál	46.70423744
CT	18	Hungary	Szentgyörgyvár	46.748
CT	18	Hungary	Szentgyörgyvár	46.748
CT	18	Hungary	Szentgyörgyvár	46.748
CT	18	Hungary	Szentgyörgyvár	46.748
	5	Hungary	Gödöllo	47.7668365
	5	Hungary	Gödöllo	47.7668365
	5	Hungary	Gödöllo	47.7668365
	5	Hungary	Gödöllo	47.7668365
	5	Hungary	Gödöllo	47.7668365
A		Hungary	Szalánta-Németi	46°41’0.648”N
B		Hungary	Szalánta-Németi	46°41’0.648”N
C		Hungary	Szalánta-Németi	46°41’0.648”N
CT	18	Hungary	Szentgyörgyvár	46.748
	5	Hungary	Gödöllo	47.7668365
	5	Hungary	Gödöllo	47.7668365
	5	Hungary	Gödöllo	47.7668365
	5	Hungary	Gödöllo	47.7668365
	5	Hungary	Gödöllo	47.7668365
CT	15	Hungary	Szentgyörgyvár	46.74837284
PT	16	Hungary	Szentgyörgyvár	46.74837284
PT	11	Hungary	Szentgyörgyvár	46.74837284
PT	11	Hungary	Szentgyörgyvár	46.74837284
PT	11	Hungary	Szentgyörgyvár	46.74837284

PT	15	Hungary	Szentgyörgyvár	46.74837284
PT	16	Hungary	Szentgyörgyvár	46.74837284
PT	17	Hungary	Szentgyörgyvár	46.74837284
CT	11	Hungary	Szentgyörgyvár	46.74837284
CT	11	Hungary	Szentgyörgyvár	46.74837284
CT	11	Hungary	Szentgyörgyvár	46.74837284
CT	12	Hungary	Szentgyörgyvár	46.74837284
CT	13	Hungary	Szentgyörgyvár	46.74837284
CT	14	Hungary	Szentgyörgyvár	46.74837284
CT	18	Hungary	Szentgyörgyvár	46.748
CT	18	Hungary	Szentgyörgyvár	46.748
CT	18	Hungary	Szentgyörgyvár	46.748
CT	18	Hungary	Szentgyörgyvár	46.748
CT	18	Hungary	Szentgyörgyvár	46.748
CT	18	Hungary	Szentgyörgyvár	46.748
CT	18	Hungary	Szentgyörgyvár	46.748
CT	18	Hungary	Szentgyörgyvár	46.748
C	2	Hungary		46.04905476
E	2	Hungary		46.04905476
D	2	Hungary		46.04905476
B	2	Hungary		46.04905476
A	2	Hungary		46.04905476
	5	Hungary	Gödöllo	47.7668365
	5	Hungary	Gödöllo	47.7668365
	5	Hungary	Gödöllo	47.7668365
	5	Hungary	Gödöllo	47.7668365
	5	Hungary	Gödöllo	47.7668365
C	2	Hungary		46.04905476
E	2	Hungary		46.04905476
D	2	Hungary		46.04905476
B	2	Hungary		46.04905476
A	2	Hungary		46.04905476
PT	18	Hungary	Szentgyörgyvár	46.74837284
CT	17	Hungary	Szentgyörgyvár	46.74837284
E	2	Hungary		46.04905476
C	2	Hungary		46.04905476
D	2	Hungary		46.04905476
B	2	Hungary		46.04905476
A	2	Hungary		46.04905476
PT	18	Hungary	Szentgyörgyvár	46.74837284
CT	17	Hungary	Szentgyörgyvár	46.74837284
C	2	Hungary		46.04905476
E	2	Hungary		46.04905476
D	2	Hungary		46.04905476
B	2	Hungary		46.04905476
A	2	Hungary		46.04905476
B	2	Hungary		46.04905476

C	2	Hungary		46.04905476
E	2	Hungary		46.04905476
D	2	Hungary		46.04905476
CT	15	Hungary	Szentgyörgyvár	46.74837284
PT	15	Hungary	Szentgyörgyvár	46.74837284
A	2	Hungary		46.04905476
C	2	Hungary		46.04905476
E	2	Hungary		46.04905476
D	2	Hungary		46.04905476
B	2	Hungary		46.04905476
A	2	Hungary		46.04905476
CT	18	Hungary	Szentgyörgyvár	46.748
CT	18	Hungary	Szentgyörgyvár	46.748
CT	18	Hungary	Szentgyörgyvár	46.748
CT	18	Hungary	Szentgyörgyvár	46.748
CT	15	Hungary	Szentgyörgyvár	46.74837284
PT	15	Hungary	Szentgyörgyvár	46.74837284
A		Hungary	Szalánta-Németi	46°41’0.648”N
B		Hungary	Szalánta-Németi	46°41’0.648”N
C		Hungary	Szalánta-Németi	46°41’0.648”N
CT	18	Hungary	Szentgyörgyvár	46.748
SC	3	Pannonian region		45.91602989
SC	3	Pannonian region		45.91602989
SC	3	Pannonian region		45.91602989
DC	3	Pannonian region		45.91602989
DC	3	Pannonian region		45.91602989
DC	3	Pannonian region		45.91602989
P	3	Pannonian region		45.91602989
P	3	Pannonian region		45.91602989
P	3	Pannonian region		45.91602989
DC	3	Pannonian region		45.91602989
SC	3	Pannonian region		45.91602989
DC	3	Pannonian region		45.91602989
P	3	Pannonian region		45.91602989
SC	3	Pannonian region		45.91602989
SC	3	Pannonian region		45.91602989
DC	3	Pannonian region		45.91602989
P	3	Pannonian region		45.91602989
P	3	Pannonian region		45.91602989
P	3	Pannonian region		45.91602989
P	3	Pannonian region		45.91602989
P	3	Pannonian region		45.91602989
SC	3	Pannonian region		45.91602989
SC	3	Pannonian region		45.91602989
SC	3	Pannonian region		45.91602989
DC	3	Pannonian region		45.91602989
DC	3	Pannonian region		45.91602989

DC	3	Pannonian region		45.91602989
P	3	Pannonian region		45.91602989
SC	3	Pannonian region		45.91602989
SC	3	Pannonian region		45.91602989
DC	3	Pannonian region		45.91602989
DC	3	Pannonian region		45.91602989
P	3	Pannonian region		45.91602989
P	3	Pannonian region		45.91602989
SC	3	Pannonian region		45.91602989
DC	3	Pannonian region		45.91602989
D		Hungary	Iregszemcse	46°41′45.83”N
E		Hungary	Iregszemcse	46°41′45.83”N
F		Hungary	Iregszemcse	46°41′45.83”N
D		Hungary	Iregszemcse	46°41′45.83”N
E		Hungary	Iregszemcse	46°41′45.83”N
F		Hungary	Iregszemcse	46°41′45.83”N
BC 30 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 3 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 15 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 30 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 3 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 15 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 15 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 30 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 3 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 15 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 30 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 3 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 30 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 3 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 15 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 30 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 3 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 15 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 30 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 3 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 15 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 3 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 15 t/ha	2.5	Hungary	Őrbottyán	47°40′N
BC 30 t/ha	2.5	Hungary	Őrbottyán	47°40′N
	3	Hungary	Szarvas	46.87480445
	3	Hungary	Szarvas	46.87480445
	3	Hungary	Szarvas	46.87480445
	3	Hungary	Szarvas	46.87480445
	3	Hungary	Szarvas	46.87480445
	3	Hungary	Szarvas	46.87480445
	3	Hungary	Szarvas	46.87480445

3	Hungary	Szarvas	46.87480445
3	Hungary	Szarvas	46.87480445
3	Hungary	Szarvas	46.87480445
8	Hungary		
8	Hungary		
8	Hungary		
8	Hungary		
8	Hungary		
8	Hungary		
3	Hungary		
3	Hungary		
3	Hungary		

longitude	climte	temperture	precipitation
meta data	emperate	8to 23	220-611
meta data	emperate	8to 29	220-617
meta data	emperate	8to 14	220-602
meta data	emperate	8to 26	220-614
meta data	emperate	8to 20	220-608
meta data	emperate	8to 17	220-605
22.00001267	NA	NA	NA
22.00001267	NA	NA	NA
22.00001267	NA	NA	NA
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
22°00’E	NA	NA	NA
22°00’E	NA	NA	NA
22°00’E	NA	NA	NA
22.00001267	NA	NA	NA
22.00001267	NA	NA	NA
22.00001267	NA	NA	NA
22.00001267	NA	NA	NA
22.00001267	NA	NA	NA
22.00001267	NA	NA	NA
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539

21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539

21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
22°00′E	NA	NA	NA
22°00′E	NA	NA	NA
22°00′E	NA	NA	NA
22.00001267	NA	NA	NA
22.00001267	NA	NA	NA
22.00001267	NA	NA	NA
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539

21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
22°00’E	NA	NA	NA	
22°00’E	NA	NA	NA	
22°00’E	NA	NA	NA	
22°00’E	NA	NA	NA	
22°00’E	NA	NA	NA	
22°00’E	NA	NA	NA	
22°00’E	NA	NA	NA	
22°00’E	NA	NA	NA	
22°00’E	NA	NA	NA	
22°00’E	NA	NA	NA	
22°00’E	NA	NA	NA	
22°00’E	NA	NA	NA	
21.67937882	continental		9.8	539
22°00’E	NA	NA	NA	
22°00’E	NA	NA	NA	
22°00’E	NA	NA	NA	
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
22.00001267	NA	NA	NA	
22.00001267	NA	NA	NA	
22.00001267	NA	NA	NA	
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539
21.67937882	continental		9.8	539

21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
21.67937882	continental	9.8	539
22°00′E	NA	NA	NA
22°00′E	NA	NA	NA
22°00′E	NA	NA	NA
22.00001267	NA	NA	NA
22.00001267	NA	NA	NA
22.00001267	NA	NA	NA
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679

17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
17.23327965	continental	10.8	679
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		591
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		591
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590
20.4812778	continental		590

20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	591
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	591
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	591
20.4812778	continental	590
20.4812778	continental	590
20.4812778	continental	590

20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			591
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
20.4812778	continental			590
19.38323		10	966	
19.38323		10	966	
18.48686155	temprate climate		10	550
18.48686155	temprate climate		10	550
18.48686155	temprate climate		10	550
18.48686155	temprate climate		10	550
21.20931632	continental		10.3	550
21.20931632	continental		10.3	550
21.20931632	continental		10.3	550
21.20931632	continental		10.3	550
21.20931632	continental		10.3	550
21.20931632	continental		10.3	550
21.20931632	continental		10.3	550
21.20931632	continental		10.3	550
21.20931632	continental		10.3	550
21.20931632	continental		10.3	550

21.20931632	continental		10.3	550
21.20931632	continental		10.3	550
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.20931632	continental		10.3	550
21.20931632	continental		10.3	550
21.20931632	continental		10.3	550
19.38323	continental	20	800	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61281633	continental	10.3	560	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.38323		10	966	
19.38323		10	966	
19.61231525	continental	11	700	
19.38323	continental	20	800	
19.61281633	continental	10.3	560	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	

19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.38323	continental	20	800	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
19.38323	continental	20	800	
21.20931632	continental	10.3		550
21.20931632	continental	10.3		550
19.38323		10	966	
19.38323		10	966	
21.20931632	continental	10.3		550
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	

18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.48686155	temprate climate	10		550
18.48686155	temprate climate	10		550
18.48686155	temprate climate	10		550
18.48686155	temprate climate	10		550
21.20931632	continental	10.3		550
21.20931632	continental	10.3		550
21.20931632	continental	10.3		550
19.38323	continental	20	800	
19.38323	continental	20	800	
18.48686155	temprate climate	10		550
18.48686155	temprate climate	10		550
19.38323	continental	20	800	
21.20931632	continental	12		222
18.48686155	temprate climate	10		550
21.20931632	continental	12		222
18.48686155	temprate climate	10		550
21.20931632	continental	12		222
21.20931632	continental	12		222
19.38323		10	966	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
19.38323		10	966	
21.20931632	continental	10.3		550
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600

21.20931632	continental		10.3	550
21.20931632	continental		10.3	550
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.83097854	temperate	4	NA	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
20.25752964	continental	10	417	
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
19.38323	continental	20	800	
21.20931632	continental		10.3	550
21.20931632	continental		10.3	550
19.61309955		11	643	
19.61309955		11	643	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61309955		11	643	

19.61309955		11	643	
19.61309955		11	643	
19.61309955		11	643	
19.61309955		11	643	
19.61309955		11	643	
19.61309955		11	643	
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
21.20931632	continental	10.3		550
19.38323		10	966	
19.38323		10	966	
19.61309955		11	643	
19.61309955		11	643	
19.38323	continental	20	800	
21.20931632	continental	12		222
19.61281633	continental	10.3	560	
21.20931632	continental	12		222
21.20931632	continental	12		222
19.38323	continental	20	800	
19.61309955		11	643	
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.20931632	continental	12		222

21.20931632	continental	10.3		550
19.61231525	continental	11	700	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61231525	continental	11	700	
19.61005998	continental	11	700	
19.61231525	continental	11	700	
19.61005998	continental	11	700	
19.61005998	continental	11	700	
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
meta data	emperate	8to 28	220-616	
meta data	emperate	8to 13	220-601	
meta data	emperate	8to 22	220-610	
meta data	emperate	8to 25	220-613	
meta data	emperate	8to 19	220-607	
21.20931632	continental	10.3		550
21.20931632	continental	10.3		550
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61005998	continental	11	700	
meta data	emperate	8to 16	220-604	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600

21.43354464	continental	11		600
21.43354464	continental	11		600
19.61309955		11	643	
19.61309955		11	643	
19.61309955		11	643	
19.61231525	continental	11	700	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61281633	continental	10.3	560	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61309955		11	643	
19.61309955		11	643	
19.61309955		11	643	
19.61309955		11	643	
19.61309955		11	643	
19.61309955		11	643	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61309955		11	643	
19.61309955		11	643	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61309955		11	643	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
21.20931632	continental	10.3		550
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.20931632	continental	10.3		550
21.20931632	continental	10.3		550
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	

19.38323	continental	20	800
19.61005998	continental	11	700
19.61005998	continental	11	700
19.61005998	continental	11	700
19.61005998	continental	11	700
19.38323		10	966
19.38323		10	966
21.62162072	medtre	23	456
21.62162072	medtre	23	456
21.62162072	medtre	23	456
21.62162072	medtre	23	456
21.62162072	medtre	23	456
21.62162072	medtre	23	456
19.38323	continental	20	800
19.61231525	continental	11	700
19.61005998	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61005998	continental	11	700
19.61005998	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61005998	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700
19.61231525	continental	11	700

19.61231525	continental	11	700	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.83097854	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.83097854	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.82602098	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
18.83097854	temperate	4	NA	
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.62162072	medtre	23	456	
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600
21.43354464	continental	11		600

21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
18.48686155	temprate climate		10	550
18.48686155	temprate climate		10	550
18.48686155	temprate climate		10	550
18.48686155	temprate climate		10	550
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	700	
19.61231525	continental	11	435	
19.61231525	continental	11	435	
19.61231525	continental	11	435	
19.61231525	continental	11	435	
19.61231525	continental	11	435	
19.61231525	continental	11	435	
21.20931632	continental		12	222
21.20931632	continental		12	222
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
19.38323	continental	20	800	
19.61231525	continental	11	435	
21.20931632	continental		12	222
19.61231525	continental	11	435	
19.61231525	continental	11	435	
19.61231525	continental	11	435	
19.61231525	continental	11	435	
19.61231525	continental	11	435	
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.43354464	continental		11	600
21.20931632	continental		12	222
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	

19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.61208184	medtre	10.3	1961	
19.41561232	temprate climate	11	358	
19.41561232	temprate climate	11	358	
19.41561232	temprate climate	11	358	
19.41561232	temprate climate	11	358	
19.41561232	temprate climate	11	358	
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.61231525	continental			
19.61231525	continental			
19.61231525	continental			
19.61231525	continental			
19.61231525	continental			
19.61231525	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			

19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.38323	continental			
19.61231525	continental			
19.38323	continental			
19.61231525	continental			
19.38323	continental			
19.61231525	continental			
19.38323	continental			
19.61231525	continental			
meta data	emperate	8to 27	220-615	
meta data	emperate	8to 30	220-618	
meta data	emperate	8to 12	220-600	
meta data	emperate	8to 24	220-612	
meta data	emperate	8to 18	220-606	
meta data	emperate	8to 15	220-603	
meta data	emperate	8to 21	220-609	
19.61231525	continental			
19.61231525	continental			
19.61231525	continental			
19.61231525	continental			
19.61231525	continental			
19.61231525	continental			
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600

17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	600
17.04730749	continental		11	619
17.04730749	continental		11	619
17.04730749	continental		11	619
17.04730749	continental		11	619
17.04730749	continental		11	619
17.04730749	continental		11	619
17.04730749	continental		11	619
17.04730749	continental		11	619
17.147		12.9	476	
17.147		12.9	476	
17.147		12.9	476	
17.147		12.9	476	
19.34966917	continental	NA	564	
19.34966917	continental	NA	564	
19.34966917	continental	NA	564	
19.34966917	continental	NA	564	
19.34966917	continental	NA	564	
18°10’58.055”E		18	950	
18°10’58.055”E		18	950	
18°10’58.055”E		18	950	
17.147		12.9	476	
19.34966917	continental	NA	564	
19.34966917	continental	NA	564	
19.34966917	continental	NA	564	
19.34966917	continental	NA	564	
19.34966917	continental	NA	564	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	

17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
17.147		12.9	476	
17.147		12.9	476	
17.147		12.9	476	
17.147		12.9	476	
17.147		12.9	476	
17.147		12.9	476	
17.147		12.9	476	
17.147		12.9	476	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
19.34966917	continental	NA	564	
19.34966917	continental	NA	564	
19.34966917	continental	NA	564	
19.34966917	continental	NA	564	
19.34966917	continental	NA	564	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
16.53084336	continental	12	840	
16.53084336	continental	12	840	

16.53084336	continental		12	840
16.53084336	continental		12	840
16.53084336	continental		12	840
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
16.53084336	continental		12	840
16.53084336	continental		12	840
16.53084336	continental		12	840
16.53084336	continental		12	840
16.53084336	continental		12	840
16.53084336	continental		12	840
17.147		12.9	476	
17.147		12.9	476	
17.147		12.9	476	
17.147		12.9	476	
17.14677253	warm temperate continental	11	628	
17.14677253	warm temperate continental	11	628	
18°10’58.055”E		18	950	
18°10’58.055”E		18	950	
18°10’58.055”E		18	950	
17.147		12.9	476	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	

17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
17.48524915	continental	10.7	815.5	
18°10’48.13”E		18	950	
18°10’48.13”E		18	950	
18°10’48.13”E		18	950	
18°10’48.13”E		18	950	
18°10’48.13”E		18	950	
18°10’48.13”E		18	950	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
19°14’E	NA	NA	NA	
20.58581043	continental	13.8	516	
20.58581043	continental	13.8	516	
20.58581043	continental	13.8	516	
20.58581043	continental	13.8	516	
20.58581043	continental	13.8	516	
20.58581043	continental	13.8	516	
20.58581043	continental	13.8	516	

20.58581043	continental	13.8	516
20.58581043	continental	13.8	516
20.58581043	continental	13.8	516
	continental		
	continental		
	continental		
	continental		
	continental		
	continental		
	continental		
	continental		
	continental		

soil_type_WRB_vS
-
-
-
-
-
-
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol

Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol

Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol

Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol

Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol

Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol

Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Arenosol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol

Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol

Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol

Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Cambisol
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem

Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem

Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem

Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem

Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem

Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem

Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem

Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem

Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem

Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem

Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem

Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Chernozem
Fluvisols
Fluvisols
Fluvisols
Fluvisols
Fluvisols
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol

Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol

Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol

Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol

Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Luvisol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol

Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Stagnosol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Umbrisol
Vertisols
Vertisols
Vertisols
Vertisols
Vertisols
Vertisols
Vertisols

Vertisols
Vertisols
Vertisols

soil_type_WRB	soil_texture	depth_upper
Brownforestsoil		0
Brownforestsoil		0
Brownforestsoil		0
Brownforestsoil		0
Brownforestsoil		0
Brownforestsoil		0
Arenosol	sand	0
Arenosol	sand	0
Arenosol	sand	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sand	0
Arenosol	sand	0
Arenosol	sand	0
Arenosol	sand	0
Arenosol	sand	0
Arenosol	sand	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0

Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0

Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sand	0
Arenosol	sand	0
Arenosol	sand	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0

Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sandy loam	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sand	0
Arenosol	sand	0
Arenosol	sand	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0

Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sandy loam	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sany soil	0
Arenosol	sand	0
Arenosol	sand	0
Arenosol	sand	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0

Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Cambisol	sandy loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0

Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0

Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Combisol	clay loam	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0

Chernozem		0
Chernozem		0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem	loamy	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loam	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy clay	0
Chernozem	loamy	0
Chernozem	loam	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0

Chernozem	clay loam	0
Chernozem	loamy clay	0
Chernozem	loamy	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0
Chernozem		0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0

Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0
Chernozem		0
Chernozem	loamy	0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem	loamy	0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem	loamy	0
Chernozem		0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0

Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0
Chernozem		0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loamy	0

Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0
Chernozem	loam	0
Chernozem		0
Chernozem		0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0

Chernozem		0
Chernozem	loamy clay	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	clay loam	0
Chernozem	loamy clay	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem		0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	clay loam	0
Chernozem	clay loam	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0

Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy clay	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	loam	0
Chernozem	clay loam	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	clay loam	0
Chernozem	clay loam	0
Chernozem	loamy	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0

Chernozem	loamy	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem	loamy	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	clay loam	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	clay loam	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	clay loam	0
Chernozem	clay loam	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0

Chernozem	loamy clay	0
Chernozem		0
Chernozem		0
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem		10
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0

Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem		0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	clay loam	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	clay loam	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem		0
Chernozem		0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy clay	0
Chernozem		0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	clay loam	0
Chernozem	loamy clay	0
Chernozem	loamy clay	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem	loamy	0
Chernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0

EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
EndocalcicChernozem		0
alluvial	clay loam	0
alluvial	clay loam	0
alluvial	clay loam	0
alluvial	clay loam	0
alluvial	clay loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	5
ChromicLuvisol	sandy loam	5
ChromicLuvisol	sandy loam	5
ChromicLuvisol	sandy loam	5
ChromicLuvisol	sandy loam	5
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0

ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol		0
ChromicLuvisol		0
ChromicLuvisol		0
ChromicLuvisol		0
ChromicLuvisol		0
ChromicLuvisol		0
ChromicLuvisol		0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
ChromicLuvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0

Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	sandy loam	0
Luvisol	loamy	20
Luvisol	loamy	0
Luvisol	loamy	10
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	NA	0
Luvisol	NA	0
Luvisol	NA	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	silt loam	0

Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	10
Luvisol	loamy	20
Luvisol	loamy	0
Luvisol	loamy	10
Luvisol	loamy	20
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0

Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	0
Luvisol	loamy	20
Luvisol	loamy	0
Luvisol	loamy	10
Luvisol	silt loam	0
Luvisol	silt loam	0
Luvisol	NA	0
Luvisol	NA	0
Luvisol	NA	0
Luvisol	loamy	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0

LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
LuvicStagnosol	loam	0
Stagnosol	NA	0
Stagnosol	NA	0
Stagnosol	NA	0
Stagnosol	NA	0
Stagnosol	NA	0
Stagnosol	NA	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Umbrisol	sany soil	0
Vertisols	clay	0
Vertisols	clay	0
Vertisols	clay	0
Vertisols	clay	0
Vertisols	clay	0
Vertisols	clay	0
Vertisols	clay	0

Vertisols	clay	0
Vertisols	clay	0
Vertisols	clay	0
	loamy	0
	loamy	0
	loamy	0
	loamy	0
	loamy	0
	loamy	0
	loamy	0
	loamy	0
	loamy	0

depth_lower	main_crop
30	cereals
30	mixed
30	mixed
30	mixed
30	mixed
30	mixed
25	maize
25	maize
25	maize
25	triticale_maize_green pea
25	triticale_maize_green pea
25	triticale_maize_green pea
25	triticale_maize_green pea
30	crop rotation
30	crop rotation
30	crop rotation
30	crop rotation
30	crop rotation
30	crop rotation
25	triticale_maize_green pea
25	triticale_maize_green pea
25	triticale_maize_green pea
25	triticale_maize_green pea
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	triticale_maize_green pea
25	triticale_maize_green pea
25	triticale_maize_green pea
25	triticale_maize_green pea
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation

30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	crop rotation
30	crop rotation
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	crop rotation
30	crop rotation
30	crop rotation
30	crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	crop rotation
30	triticale_maize_green pea
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	crop rotation
30	crop rotation
30	crop rotation
30	triticale_maize_green pea

30	triticale_maize_green pea
30	triticale_maize_green pea
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	crop rotation
30	crop rotation
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	triticale_maize_green pea
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation

30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
30	12 crop rotations and potato was cultivatied in evrey crop rotation
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
30	triticale_maize_green pea
25	maize
25	maize
25	maize
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	crop rotation
30	crop rotation
30	crop rotation
30	crop rotation
30	crop rotation
30	triticale_maize_green pea
30	crop rotation
25	maize
25	maize
25	maize
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea

30	crop rotation
30	crop rotation
30	crop rotation
30	crop rotation
30	crop rotation
30	crop rotation
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
30	triticale_maize_green pea
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley

30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	w.wheat_barley
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation

30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
15	conservation
15	conservation
15	conservation
15	conservation
15	conservation
15	conservation
15	conservation
15	conservation
15	conservation

15	conservation
15	conservation
15	conservation
15	conservation
15	conservation
15	conservation
15	conservation
15	conservation
15	conservation
15	conservation
15	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	conservation
30	grassy vegetation
30	grassy vegetation
20	conventional
20	conventional
20	conventional
20	conventional
30	maize
30	black gram
30	black gram
30	maize
30	black gram
30	black gram
30	maize
30	black gram
30	black gram
30	maize

30	black gram
30	black gram
30	convertional
30	convertional
30	convertional
30	convertional
30	convertional
30	convertional
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	black gram
30	black gram
30	conversation
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
25	conversation
25	conversation
10	winter wheat_maize_winter oat
30	convertional
30	convertional
30	convertional
30	convertional
30	convertional
30	convertional
20	conversation
25	conversation
30	grassy vegetation
30	grassy vegetation
20	conversation
30	conversation
10	winter wheat_maize_winter oat
25	conversation
20	conversation
20	conversation

25	conversation
20	conversation
40	conversation
20	conversation
25	conversation
30	convertional
30	convertional
30	convertional
30	convertional
30	convertional
30	convertional
20	conversation
30	maize
30	black gram
30	grassy vegetation
30	grassy vegetation
30	black gram
20	giant reed
20	giant reed
20	giant reed
20	giant reed
20	giant reed
20	giant reed
40	oak forest
40	oak forest
40	oak forest
40	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest

40	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
20	conventional
20	conventional
20	conventional
20	conventional
30	maize
30	black gram
30	black gram
30	conversation
30	conversation
20	conventional
20	conventional
40	conversation
30	conservation
20	conventional
30	conservation
20	conventional
30	conservation
30	conservation
30	grassy vegetation
20	giant reed
20	giant reed
20	giant reed
20	giant reed
20	giant reed
20	giant reed
30	grassy vegetation
30	black gram
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize

30	maize
30	black gram
10	oak forest
10	oak forest
10	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
10	oak forest
30	convertional
30	convertional
30	convertional
30	convertional
30	convertional
30	convertional
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	conversation
30	maize
30	black gram
10	conventinal
10	conventinal
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	conventinal

10	conventinal
10	conventinal
10	conventinal
10	conventinal
10	conventinal
10	conventinal
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
30	black gram
30	grassy vegetation
30	grassy vegetation
10	conventinal
10	conventinal
30	conversation
30	conservation
10	winter wheat_maize_winter oat
30	conservation
30	conservation
30	conversation
10	conventinal
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	conservation

30	arble land
10	conversation
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	conversation
10	conversation
10	conversation
10	conversation
10	conversation
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	conversation
40	conversation
10	conversation
10	conversation
40	conversation
30	maize
30	maize
30	maize
30	maize
30	mixed
30	mixed
30	cereals
30	mixed
30	mixed
30	black gram
30	black gram
10	conversation
10	conversation
10	conversation
30	mixed
10	conversation
10	conversation
10	conversation
10	conversation
10	conversation
10	conversation
10	conversation
10	conversation
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize

30	maize
30	maize
50	conventinal
50	conventinal
50	conventinal
60	conversation
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
10	winter wheat_maize_winter oat
60	conversation
60	conversation
60	conversation
60	conversation
60	conversation
50	conventinal
50	conventinal
50	conventinal
50	conventinal
50	conventinal
50	conventinal
60	conversation
60	conversation
60	conversation
60	conversation
60	conversation
60	conversation
50	conventinal
50	conventinal
60	conversation
60	conversation
50	conventinal
60	conversation
60	conversation
60	conversation
60	conversation
30	maize
20	giant reed
20	giant reed
20	giant reed
30	black gram
30	black gram
20	giant reed
20	giant reed
20	giant reed

30	conversation
10	conversation
10	conversation
10	conversation
10	conversation
30	grassy vegetation
30	grassy vegetation
20	giant reed
20	giant reed
20	giant reed
20	giant reed
20	giant reed
20	giant reed
30	conversation
60	conversation
10	conversation
60	conversation
60	conversation
60	conversation
60	conversation
10	conversation
10	conversation
60	conversation
60	conversation
20	conversation
25	conversation
20	conversation
25	conversation
20	conversation
60	conversation
25	conversation
20	conversation
25	conversation
20	conversation
25	conversation
20	conversation
25	conversation
60	conversation
60	conversation
10	conversation
60	conversation
60	conversation
60	conversation
60	conversation
60	conversation
60	conversation
60	conversation

60	conversation
10	oak forest
10	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
10	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
40	oak forest
30	maize
30	maize
30	maize
30	maize
20	giant reed
20	giant reed
20	giant reed
20	giant reed
20	giant reed
20	giant reed
30	maize
30	maize
30	maize
30	maize

30	maize
30	maize
30	maize
30	maize
20	conventional
20	conventional
20	conventional
20	conventional
25	conversation
25	conversation
25	conversation
25	conversation
25	conversation
25	conversation
40	conversation
40	conversation
40	conversation
40	conversation
40	conversation
40	conversation
30	conservation
30	conservation
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	conversation
40	conversation
30	conservation
40	conversation
40	conversation
40	conversation
40	conversation
40	conversation
30	maize
30	maize
30	maize
30	maize
30	maize
30	maize
30	conservation
10	winter oat
10	winter oat
10	winter oat
10	winter oat

10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
10	winter oat
30	organic farm
30	organic farm
30	organic farm
30	organic farm
30	organic farm
20	ryegrass
20	ryegrass
20	ryegrass
20	ryegrass
20	ryegrass
20	ryegrass
20	ryegrass
20	ryegrass
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
20	ryegrass
20	ryegrass
20	ryegrass
20	ryegrass
20	ryegrass
20	ryegrass

20	ryegrass
20	ryegrass
20	ryegrass
20	ryegrass
20	ryegrass
20	ryegrass
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
30	mixed
30	mixed
30	mixed
30	cereals
30	mixed
30	mixed
30	cereals
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
10	conventional
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation

15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
15	conversation
25	maize
5	maize
15	maize
5	maize
30	cash crops
30	cash crops
30	cash crops
30	cash crops
30	cash crops
25	maize
25	maize
25	maize
5	maize
30	cash crops
30	cash crops
30	cash crops
30	cash crops
30	cash crops
25	maize_winter wheat_oilseed rape_sunflower_spring barley _4 cover crops
25	maize_winter wheat_oilseed rape_sunflower_spring barley _4 cover crops
10	maize
10	maize
10	maize

10	maize
10	maize
25	maize
10	maize
10	maize
10	maize
10	maize
10	maize
10	maize
5	maize
5	maize
5	maize
15	maize
25	maize
5	maize
15	maize
25	maize
30	conventional
30	conventional
30	conventional
30	conventional
30	conventional
30	cash crops
30	cash crops
30	cash crops
30	cash crops
30	cash crops
30	conventional
30	conventional
30	conventional
30	conventional
30	conventional
25	maize_winter wheat_oilseed rape_sunflower_spring barley _4 cover crops
25	maize_winter wheat_oilseed rape_sunflower_spring barley _4 cover crops
30	conventional
30	conventional
30	conventional
30	conventional
30	conventional
25	maize_winter wheat_oilseed rape_sunflower_spring barley _4 cover crops
25	maize_winter wheat_oilseed rape_sunflower_spring barley _4 cover crops
30	conventional
30	conventional
30	conventional
30	conventional
30	conventional
30	conventional

30	conventional
30	conventional
30	conventional
25	maize_winter wheat_oilseed rape_sunflower_spring barley _4 cover crops
25	maize_winter wheat_oilseed rape_sunflower_spring barley _4 cover crops
30	conventional
30	conventional
30	conventional
30	conventional
30	conventional
30	conventional
5	maize
25	maize
5	maize
15	maize
25	maize_winter wheat_oilseed rape_sunflower_spring barley _4 cover crops
25	maize_winter wheat_oilseed rape_sunflower_spring barley _4 cover crops
25	maize
25	maize
25	maize
5	maize
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational

15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
15	convational
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
25	maize
30	conversation
30	conversation
30	conversation
30	conversation
30	conversation
30	conversation
30	conversation

30	conversation
30	conversation
30	conversation
20	conventional
20	conventional
20	conventional
20	conventional
20	conventional
20	conventional
20	conventional
20	conventional
20	conventional

farm_category	studied_property
arable _hungary	Co2
arable _hungary	SOC
arable _hungary	SOC
arable _hungary	SOC
arable _hungary	SOC
arable _hungary	SOC
conventional	aboveground biomass
conventional	aboveground biomass
conventional	aboveground biomass
experimental farm	air permeability
experimental farm	air permeability
experimental farm	air permeability
experimental farm	air permeability
conventional farm	BD
conventional farm	BD
conventional farm	BD
conventional farm	BD
conventional farm	BD
conventional farm	BD
experimental farm	BD
experimental farm	BD
experimental farm	BD
experimental farm	BD
fallow	CEC
fallow	CEC
fallow	CEC
conventional	enzyme activity
conventional	enzyme activity
conventional	enzyme activity
conventional	enzyme activity
conventional	enzyme activity
conventional	enzyme activity
experimental farm	infiltration
experimental farm	infiltration
experimental farm	infiltration
experimental farm	infiltration
experimental farm	MBC
experimental farm	MBC
experimental farm	MBC
experimental farm	MBC
experimental farm	MBC
experimental farm	MBC
experimental farm	MBC
experimental farm	MBC

experimental farm	MBC
experimental farm	MBC
experimental farm	MBC
experimental farm	MBC
experimental farm	MBC
experimental farm	MBC
experimental farm	MBC
conventional farm	NO3-NO2-N
conventional farm	NO3-NO2-N
experimental farm	NO3-NO2-N
experimental farm	NO3-NO2-N
experimental farm	NO3-NO2-N
experimental farm	NO3-NO2-N
conventional farm	NO3-NO2-N
conventional farm	NO3-NO2-N
conventional farm	NO3-NO2-N
conventional farm	NO3-NO2-N
experimental farm	ON content
experimental farm	ON content
experimental farm	ON content
experimental farm	ON content
experimental farm	ON content
experimental farm	ON content
experimental farm	ON content
experimental farm	ON content
experimental farm	ON content
experimental farm	ON content
experimental farm	ON content
experimental farm	ON content
experimental farm	ON content
experimental farm	ON content
experimental farm	ON content
conventional farm	pH
experimental farm	pH
experimental farm	pH
experimental farm	pH
experimental farm	pH
experimental farm	pH
experimental farm	pH
experimental farm	pH
experimental farm	pH
conventional farm	pH
conventional farm	pH
conventional farm	pH
experimental farm	pH

experimental farm	pH
experimental farm	pH
experimental farm	pH
experimental farm	pH
experimental farm	pH
experimental farm	pH
experimental farm	pH
experimental farm	pH
experimental farm	pH
experimental farm	pH
conventional farm	pH
conventional farm	pH
fallow	pH water
fallow	pH water
fallow	pH water
conventional	Rhodospirillaceae family relative abundance
conventional	Rhodospirillaceae family relative abundance
conventional	Rhodospirillaceae family relative abundance
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SMC
experimental farm	SOC
experimental farm	SOC
experimental farm	SOC
experimental farm	SOC
experimental farm	SOC
experimental farm	SOC
experimental farm	SOC
experimental farm	SOC

experimental farm	SOC
experimental farm	SOC
experimental farm	SOC
experimental farm	SOC
experimental farm	SOC
experimental farm	SOC
experimental farm	SOC
fallow	soil extractable K
fallow	soil extractable K
fallow	soil extractable K
fallow	soil extractable P
fallow	soil extractable P
fallow	soil extractable P
fallow	soil NH4-N
fallow	soil NH4-N
fallow	soil NH4-N
fallow	soil NO3-N
fallow	soil NO3-N
fallow	soil NO3-N
experimental farm	SOM
fallow	SOM
fallow	SOM
fallow	SOM
experimental farm	SOM
experimental farm	SOM
experimental farm	SOM
experimental farm	SOM
experimental farm	SOM
experimental farm	SOM
conventional farm	SOM
conventional farm	SOM
conventional farm	SOM
conventional farm	SOM
conventional farm	SOM
experimental farm	SOM
conventional farm	SOM
conventional	SpH wateringomonadaceae family relative abundance
conventional	SpH wateringomonadaceae family relative abundance
conventional	SpH wateringomonadaceae family relative abundance
experimental farm	TC
experimental farm	TC
experimental farm	TC
experimental farm	TC
experimental farm	TN
experimental farm	TN
experimental farm	TN
experimental farm	TN

conventional farm	Total porosity
conventional farm	Total porosity
conventional farm	Total porosity
conventional farm	Total porosity
conventional farm	Total porosity
conventional farm	Total porosity
experimental farm	TP
experimental farm	TP
experimental farm	TP
experimental farm	TP
experimental farm	TS
experimental farm	TS
experimental farm	TS
experimental farm	TS
fallow	water holding capacity
fallow	water holding capacity
fallow	water holding capacity
conventional	yield
conventional	yield
conventional	yield
conventional farm	aggregate stability
conventional farm	aggregate stability
conventional farm	aggregate stability
conventional farm	aggregate stability
conventional farm	aggregate stability
conventional farm	aggregate stability
conventional farm	aggregate stability
conventional farm	aggregate stability
conventional farm	Grain yield
conventional farm	Grain yield
conventional farm	Grain yield
conventional farm	Grain yield
conventional farm	Grain yield
conventional farm	Grain yield
conventional farm	Grain yield
conventional farm	Grain yield
conventional farm	MBC
conventional farm	MBC
conventional farm	MBC
conventional farm	MBC
conventional farm	MBC
conventional farm	MBC
conventional farm	MBC
conventional farm	MBC
conventional farm	SOC
conventional farm	SOC
conventional farm	SOC

conventional farm	SOC
conventional farm	SOC
conventional farm	SOC
conventional farm	SOC
conventional farm	SOC
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	earthworm abundance
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	humus contennt
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content

sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	nitrogen content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	phosphorus content
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC

sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SMC
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
sunflower_w.wheat	SPR
natural_grassland	aggregate stability
natural_grassland	aggregate stability
maize	air presure
maize	air presure
maize	air presure
maize	air presure
arable land	alkaline phosphatase activity
arable land	alkaline phosphatase activity
arable land	alkaline phosphatase activity
arable land	available Ca2+
arable land	available Ca2+
arable land	available Ca2+
arable land	available Mg2+
arable land	available Mg2+
arable land	available Mg2+
arable land	available Na2+

arable land	available Na2+
arable land	available Na2+
maize_sunflowers	CaCO3
maize_sunflowers	CaCO3
maize_sunflowers	CaCO3
maize_sunflowers	CaCO3
maize_sunflowers	CaCO3
maize_sunflowers	CaCO3
conventional farm	Dehydrogenase
conventional farm	Dehydrogenase
conventional farm	Dehydrogenase
conventional farm	Dehydrogenase
conventional farm	Dehydrogenase
conventional farm	Dehydrogenase
conventional farm	Dehydrogenase
conventional farm	Dehydrogenase
conventional farm	Dehydrogenase
conventional farm	Dehydrogenase
conventional farm	Dehydrogenase
conventional farm	Dehydrogenase
arable land	dehydrogenase activity
arable land	dehydrogenase activity
arable land	dehydrogenase activity
maize and sunflowers	earthworm abundance
conventional	earthworm abundance
conventional	earthworm abundance
conventional	earthworm abundance
conventional	earthworm abundance
maiz_spring oat_winter wheat	earthworm abundance
maiz_spring oat_winter wheat	earthworm abundance
conventional	earthworm abundance
maize_sunflowers	earthworm abundance
maize_sunflowers	earthworm abundance
maize_sunflowers	earthworm abundance
maize_sunflowers	earthworm abundance
maize_sunflowers	earthworm abundance
maize_sunflowers	earthworm abundance
cereals	earthworm abundance
maiz_spring oat_winter wheat	earthworm abundance
natural_grassland	earthworm abundance
natural_grassland	earthworm abundance
cereals	earthworm abundance
maize and sunflowers	earthworm abundance
conventional	earthworm abundance
maiz_spring oat_winter wheat	earthworm abundance
cereals	earthworm abundance
cereals	earthworm abundance

maiz_spring oat_winter wheat	earthworm abundance
cereals	earthworm abundance
maize and sunflowers	earthworm abundance
cereals	earthworm abundance
maiz_spring oat_winter wheat	earthworm abundance
maize_sunflowers	earthworm abundance
maize_sunflowers	earthworm abundance
maize_sunflowers	earthworm abundance
maize_sunflowers	earthworm abundance
maize_sunflowers	earthworm abundance
maize_sunflowers	earthworm abundance
maize and sunflowers	earthworm abundance
arable land	EC
arable land	EC
natural_grassland	EC
natural_grassland	EC
arable land	EC
conventional	EC
conventional	EC
conventional	EC
conventional	EC
conventional	EC
conventional	EC
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Acidobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance

forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
forest	enzyme activity_Proteobacteria_relative abundance
maize	gravimetric water content
maize	gravimetric water content
maize	gravimetric water content
maize	gravimetric water content
arable land	MBC
arable land	MBC
arable land	MBC
maize and sunflowers	NA
cerals and soybean	NA
maize	pentetration resistance
maize	pentetration resistance
cerals and soybean	pentetration resistance
maize	pentetration resistance
maize	pentetration resistance
maize	pentetration resistance
maize	pentetration resistance
maize	pentetration resistance
maize	pentetration resistance
natural_grassland	pH
conventional	pH
conventional	pH
conventional	pH
conventional	pH
conventional	pH
conventional	pH
natural_grassland	pH
arable land	pH
conventional farm	pH
conventional farm	pH
conventional farm	pH
conventional farm	pH
conventional farm	pH
conventional farm	pH
conventional farm	pH
conventional farm	pH
conventional farm	pH
conventional farm	pH
conventional farm	pH
conventional farm	pH

arable land	pH
arable land	pH
forest	pH water
forest	pH water
forest	pH water
forest	pH water
forest	pH water
forest	pH water
forest	pH water
forest	pH water
forest	pH water
forest	pH water
forest	pH water
forest	pH water
forest	pH water
forest	pH water
forest	pH water
maize_sunflowers	pH(KCL)
maize_sunflowers	pH(KCL)
maize_sunflowers	pH(KCL)
maize_sunflowers	pH(KCL)
maize_sunflowers	pH(KCL)
maize_sunflowers	pH(KCL)
conventional farm	phosphatase activity
conventional farm	phosphatase activity
conventional farm	phosphatase activity
conventional farm	phosphatase activity
conventional farm	phosphatase activity
conventional farm	phosphatase activity
conventional farm	phosphatase activity
conventional farm	phosphatase activity
conventional farm	phosphatase activity
conventional farm	phosphatase activity
conventional farm	phosphatase activity
conventional farm	phosphatase activity
cerals and soybean	runoff
arable land	SMC
arable land	SMC
sunflower	SMC
sunflower	SMC
conventional	SMC
conventional	SMC
conventional	SMC
conventional	SMC
conventional	SMC
sunflower	SMC

sunflower	SMC
sunflower	SMC
sunflower	SMC
sunflower	SMC
sunflower	SMC
sunflower	SMC
conventional farm	SMC
conventional farm	SMC
conventional farm	SMC
conventional farm	SMC
conventional farm	SMC
conventional farm	SMC
forest	SMC
forest	SMC
forest	SMC
forest	SMC
forest	SMC
forest	SMC
forest	SMC
forest	SMC
forest	SMC
forest	SMC
forest	SMC
forest	SMC
forest	SMC
forest	SMC
forest	SMC
forest	SMC
arable land	SMC
natural_grassland	SMC
natural_grassland	SMC
sunflower	SMC
sunflower	SMC
cerals and soybean	SMC
maize	SMC
conventional	SMC
maize	SMC
maize	SMC
cerals and soybean	SMC
sunflower	SMC
conventional farm	SMC
conventional farm	SMC
conventional farm	SMC
conventional farm	SMC
conventional farm	SMC
conventional farm	SMC
maize	SMC

maize	SOC
cereals	SOC
conventional	SOC
conventional	SOC
conventional	SOC
conventional	SOC
cereals	SOC
cereals	SOC
cereals	SOC
cereals	SOC
cereals	SOC
conventional	SOC
conventional	SOC
cereals	SOC
winter wheat	SOC
cereals	SOC
sunflower	SOC
winter wheat	SOC
conventional farm	SOC
conventional farm	SOC
conventional farm	SOC
conventional farm	SOC
arable _hungary	SOC
arable _hungary	SOC
arable _hungary	SOC
arable _hungary	SOC
arable _hungary	SOC
arable land	SOC
arable land	SOC
cereals	SOC
cereals	SOC
sunflower	SOC
arable _hungary	SOC
cereals	SOC
cereals	SOC
cereals	SOC
cereals	SOC
cereals	SOC
cereals	SOC
cereals	SOC
cereals	SOC
conventional farm	SOC
conventional farm	SOC
conventional farm	SOC
conventional farm	SOC
conventional farm	SOC
conventional farm	SOC

conventional farm	SOC
conventional farm	SOC
sunflower	soil penetration resistance
weaht	soil penetration resistance
sunflower	soil penetration resistance
cereals	soil penetration resistance
conventional	soil penetration resistance
conventional	soil penetration resistance
conventional	soil penetration resistance
conventional	soil penetration resistance
conventional	soil penetration resistance
conventional	soil penetration resistance
cereals	soil penetration resistance
cereals	soil penetration resistance
cereals	soil penetration resistance
cereals	soil penetration resistance
cereals	soil penetration resistance
weaht	soil penetration resistance
sunflower	soil penetration resistance
weaht	soil penetration resistance
sunflower	soil penetration resistance
weaht	soil penetration resistance
sunflower	soil penetration resistance
cereals	soil penetration resistance
cereals	soil penetration resistance
cereals	soil penetration resistance
cereals	soil penetration resistance
cereals	soil penetration resistance
cereals	soil penetration resistance
weaht	soil penetration resistance
sunflower	soil penetration resistance
cereals	soil penetration resistance
cereals	soil penetration resistance
weaht	soil penetration resistance
cereals	soil penetration resistance
cereals	soil penetration resistance
cereals	soil penetration resistance
cereals	soil penetration resistance
arable land	soil respiration
conventional	soil respiration
conventional	soil respiration
conventional	soil respiration
arable land	soil respiration
arable land	soil respiration
conventional	soil respiration
conventional	soil respiration
conventional	soil respiration

cerals and soybean	soil structure
sunflower	soil temperature
winter wheat	soil temperature
sunflower	soil temperature
winter wheat	soil temperature
natural_grassland	SOM
natural_grassland	SOM
conventional	SOM
conventional	SOM
conventional	SOM
conventional	SOM
conventional	SOM
conventional	SOM
cerals and soybean	SOM
cereals	SWC
sunflower	SWC
cereals	SWC
cereals	SWC
cereals	SWC
cereals	SWC
sunflower	SWC
winter wheat	SWC
cereals	SWC
cereals	SWC
cereals	SWC
maiz_spring oat_winter wheat	SWC
cereals	SWC
maiz_spring oat_winter wheat	SWC
cereals	SWC
cereals	SWC
maiz_spring oat_winter wheat	SWC
cereals	SWC
maiz_spring oat_winter wheat	SWC
cereals	SWC
maiz_spring oat_winter wheat	SWC
cereals	SWC
maiz_spring oat_winter wheat	SWC
cereals	SWC
cereals	SWC
winter wheat	SWC
cereals	SWC
cereals	SWC
cereals	SWC
cereals	SWC
cereals	SWC
cereals	SWC
cereals	SWC

cereals	SWC
forest	TC
forest	TC
forest	TC
forest	TC
forest	TC
forest	TC
forest	TC
forest	TC
forest	TC
forest	TC
forest	TC
forest	TC
forest	TC
forest	TC
forest	TC
forest	TC
forest	TN
forest	TN
forest	TN
forest	TN
forest	TN
forest	TN
forest	TN
forest	TN
forest	TN
forest	TN
forest	TN
forest	TN
forest	TN
forest	TN
forest	TN
forest	TN
forest	TN
conventional farm	TN
conventional farm	TN
conventional farm	TN
conventional farm	TN
conventional	TN
conventional	TN
conventional	TN
conventional	TN
conventional	TN
conventional	TN
conventional farm	TN
conventional farm	TN
conventional farm	TN
conventional farm	TN

conventional farm	TN
conventional farm	TN
conventional farm	TN
conventional farm	TN
maize	TOC
maize	TOC
maize	TOC
maize	TOC
maiz_spring oat_winter wheat	total soil crumb ratio
maiz_spring oat_winter wheat	total soil crumb ratio
maiz_spring oat_winter wheat	total soil crumb ratio
maiz_spring oat_winter wheat	total soil crumb ratio
maiz_spring oat_winter wheat	total soil crumb ratio
maiz_spring oat_winter wheat	total soil crumb ratio
winter wheat	weed cover ratio
winter wheat	weed cover ratio
winter wheat	weed cover ratio
winter wheat	weed cover ratio
winter wheat	weed cover ratio
winter wheat	weed cover ratio
maize	yield
maize	yield
conventional farm	yield
conventional farm	yield
conventional farm	yield
conventional farm	yield
conventional farm	yield
conventional farm	yield
maize and sunflowers	yield
winter wheat	yield
maize	yield
winter wheat	yield
winter wheat	yield
winter wheat	yield
winter wheat	yield
winter wheat	yield
conventional farm	yield
conventional farm	yield
conventional farm	yield
conventional farm	yield
conventional farm	yield
conventional farm	yield
maize	yield
conventional	BD
conventional	BD
conventional	BD
conventional	earthworm abundance

conventional	earthworm abundance
conventional	earthworm abundance
conventional	earthworm biomass
conventional	earthworm biomass
conventional	earthworm biomass
conventional	pH
conventional	pH
conventional	pH
conventional	SOC
conventional	SOC
conventional	SOC
conventional	SOC stock
conventional	SOC stock
conventional	SOC stock
conventional	soil microbial respiration
conventional	soil microbial respiration
conventional	soil microbial respiration
tomato	
tomato	
tomato	
tomato	
tomato	
experimental farm	Availbe K
experimental farm	Availbe K
experimental farm	Availbe K
experimental farm	Availbe K
experimental farm	availbe P
experimental farm	availbe P
experimental farm	availbe P
experimental farm	availbe P
	BD
	BD
	BD
	BD
	BD
maze	biomass C content
wheat	biomass C content
maze	biomass C content
wheat	biomass C content
maze	biomass C content
wheat	biomass C content
experimental farm	N content
experimental farm	N content
experimental farm	N content
experimental farm	N content
experimental farm	pH
experimental farm	pH

experimental farm	pH
experimental farm	pH
experimental farm	plant biomass
experimental farm	plant biomass
experimental farm	plant biomass
experimental farm	plant biomass
	Saturatedhydraulicconductivity
	Saturatedhydraulicconductivity
	Saturatedhydraulicconductivity
	Saturatedhydraulicconductivity
maze_wheat	Saturatedhydraulicconductivity
	SMC
	SMC
	SMC
	SMC
	SMC
maze_wheat	SMC
maze_wheat	SMC
maze_wheat	SMC
maze_wheat	SMC
maze_wheat	SMC
maze_wheat	SMC
maze_wheat	SMC
maze_wheat	SMC
arable _hungary	SOC
arable _hungary	SOC
arable _hungary	SOC
arable _hungary	SOC
arable _hungary	SOC
arable _hungary	SOC
arable _hungary	SOC stock
maze	yield
wheat	yield
maze	yield
wheat	yield
maze	yield
wheat	yield
maze_wheat	Amino-N
maze_wheat	Amino-N
maze_wheat	BS
maze_wheat	BS
maze_wheat	Ca
maze_wheat	Ca
maze_wheat	CEC
maze_wheat	CEC
maze_wheat	earthworm abundance
maze_wheat	earthworm abundance

maze_wheat	K
maze_wheat	K
maze_wheat	MBC
maze_wheat	MBC
maze_wheat	Mg
maze_wheat	Mg
maze_wheat	POXC
maze_wheat	POXC
maze_wheat	TOC
maze_wheat	TOC
maze_wheat	Total P
maze_wheat	Total P
maze_wheat	water extractble orgainc carbon
maze_wheat	water extractble orgainc carbon
maze_wheat	Water-stable aggregate
maze_wheat	Water-stable aggregate
W. wheat	yield
W.wheat	yield
maize	yield
rape	yield
barley	yield
maize	yield
rape	yield
barley	yield
conventional	Available P
conventional	Available P
conventional	Available P
conventional	CaO
conventional	clay content
conventional	clay content
conventional	clay content
conventional	clay content
conventional	clay content
conventional	cobs/plant
conventional	cobs/plant
conventional	cobs/plant
conventional	dehydrogenase activity
conventional	earthworm abundance
conventional	earthworm abundance
conventional	earthworm abundance
conventional	earthworm abundance
conventional	earthworm abundance
conventional	earthworm abundance
conventional	earthworm abundance
conventional	infiltration
conventional	infiltration
conventional	infiltration

conventional	infiltration
conventional	infiltration
conventional	infiltration
conventional	infiltration
conventional	infiltration
conventional	infiltration
conventional	infiltration
conventional	infiltration
conventional	infiltration
conventional	K2O
conventional	labile-C concentrations
conventional	NH4–N
conventional	NH4–N
conventional	NH4–N
conventional	NO3–N
conventional	NO3–N
conventional	NO3–N
maiz_soybean	Particle packing density
maiz_soybean	Particle packing density
maiz_soybean	Particle packing density
maiz_soybean	Particle packing density
maiz_soybean	Particle packing density
conventional	penetration resistance
conventional	penetration resistance
conventional	penetration resistance
conventional	penetration resistance
conventional	penetration resistance
maiz_soybean	pH
maiz_soybean	pH
maiz_soybean	pH
maiz_soybean	pH
maiz_soybean	pH
conventional	runoff
conventional	runoff
maiz_soybean	soi air capasity
maiz_soybean	soi air capasity
maiz_soybean	soi air capasity
maiz_soybean	soi air capasity
maiz_soybean	soi air capasity
conventional	soil loss
conventional	soil loss
maiz_soybean	soil water capacity
maiz_soybean	soil water capacity
maiz_soybean	soil water capacity
maiz_soybean	soil water capacity
maiz_soybean	soil water capacity
maiz_soybean	SOM

maiz_soybean	SOM
maiz_soybean	SOM
maiz_soybean	SOM
conventional	SOM
conventional	SOM
maiz_soybean	SOM
maiz_soybean	TN
maiz_soybean	TN
maiz_soybean	TN
maiz_soybean	TN
maiz_soybean	TN
conventional	TOC
conventional	Total P
conventional	Total P
conventional	Total P
conventional	Water-stable aggregate
conventional	Water-stable aggregate
conventional	yield
conventional	yield
conventional	yield
conventional	β-glucosidase
maize	earthworm abundance
winter oat	earthworm abundance
soybean	earthworm abundance
maize	earthworm abundance
winter oat	earthworm abundance
soybean	earthworm abundance
maize	earthworm abundance
winter oat	earthworm abundance
soybean	earthworm abundance
soybean	soil penetration resistance
winter oat	soil penetration resistance
winter oat	soil penetration resistance
winter oat	soil penetration resistance
maize	soil penetration resistance
soybean	soil penetration resistance
maize	soil penetration resistance
maize	soil penetration resistance
soybean	soil penetration resistance
maize	surface cover
winter oat	surface cover
soybean	surface cover
maize	surface cover
winter oat	surface cover
soybean	surface cover
maize	surface cover
winter oat	surface cover

soybean	surface cover
maize	SWC
winter oat	SWC
soybean	SWC
winter oat	SWC
soybean	SWC
winter oat	SWC
soybean	SWC
maize	SWC
maize	SWC
conventional	cobs/plant
conventional	cobs/plant
conventional	cobs/plant
conventional	yield
conventional	yield
conventional	yield
fallow	CEC
fallow	CEC
fallow	CEC
fallow	pH water
fallow	pH water
fallow	pH water
fallow	soil extractable K
fallow	soil extractable K
fallow	soil extractable K
fallow	soil extractable P
fallow	soil extractable P
fallow	soil extractable P
fallow	soil NH4-N
fallow	soil NH4-N
fallow	soil NH4-N
fallow	soil NO3-N
fallow	soil NO3-N
fallow	soil NO3-N
fallow	SOM
fallow	SOM
fallow	SOM
fallow	water holding capacity
fallow	water holding capacity
fallow	water holding capacity
energy platation	earthworm abundance
energy platation	earthworm abundance
energy platation	EC
energy platation	EC
energy platation	nitrogen content
energy platation	nitrogen content
energy platation	SOM

energy platation	SOM
energy platation	total weed coverage
energy platation	total weed coverage
maize	earthworm abundance
maize	earthworm abundance
maize	earthworm abundance
maize	earthworm abundance
maize	earthworm abundance
maize	earthworm abundance
maize	earthworm abundance
maize	earthworm abundance
maize	earthworm abundance

control	effect	effect_size%	effect_size_abs
	negative	20	309
	positive		
	positive	4	
	positive	0.067	
	positive	8.5	
	positive	2	
	positive		
	positive		
	positive		
no compost	negative		34
no compost	negative		35
no compost	none		31
no compost	positive		52
fallow	none		1.4
fallow	none		1.4
fallow	none		1.4
fallow	none		1.4
fallow	none		1.3
fallow	none		1.3
no compost	positive		1.51
no compost	positive		1.51
no compost	positive		1.44
no compost	positive		1.47
minral fertilizer	negative		
minral fertilizer	negative	4.3	
minral fertilizer	negative	4.3	
	negative		
	negative		
	negative		
	negative		
	negative		
	negative		
no compost	none		
no compost	none		
no compost	positive		185
no compost	positive		180
fallow	none		71
fallow	none		72
fallow	none		72.23
fallow	positive		105
fallow	positive		170
fallow	positive		83
fallow	positive		128
fallow	positive		88

fallow	positive	149
fallow	positive	173
fallow	positive	146
fallow	positive	191
fallow	positive	213
fallow	positive	103
fallow	positive	77
fallow	negative	1.79
fallow	negative	2.86
no compost	none	14.53
no compost	positive	15.05
no compost	positive	19.94
no compost	positive	17.2
fallow	positive	4.05
fallow	positive	4.54
fallow	positive	5.87
fallow		3.04
fallow	positive	0.71
fallow	positive	1.02
fallow	positive	0.63
fallow	positive	0.71
fallow	positive	0.7
fallow	positive	0.58
fallow	positive	0.78
fallow	positive	0.78
fallow	positive	0.62
fallow	positive	0.81
fallow	positive	0.72
fallow	positive	0.68
fallow	positive	0.63
fallow	positive	0.62
fallow	positive	0.56
fallow	negative	3.8
no compost	none	5.3
fallow	none	5.8
fallow	none	5.7
fallow	none	5.1
fallow	none	5.09
fallow	none	4.7
fallow	none	5
fallow	none	5.1
fallow	none	4.06
fallow	none	4.7
fallow	none	4.5
no compost	none	4.3

no compost	positive		5.9
no compost	positive		6.1
fallow	positive		6.3
fallow	positive		7.4
fallow	positive		6.2
fallow	positive		6.08
fallow	positive		7.2
fallow	positive		7.8
fallow	positive		6.6
fallow	positive		6.9
fallow	positive	40	6
fallow	positive	50	6.09
	none		
	none		
	none		
	positive		
	positive		
	positive		
fallow	negative	4.5	
fallow	negative	3.8	
fallow	negative	4.8	
fallow	negative	5.6	
fallow	negative	4.3	
fallow	negative	6.6	
fallow	negative	4.3	
fallow	negative	5.7	
fallow	negative	4.6	
fallow	negative	5.3	
fallow	negative	6.5	
fallow	negative	4.4	
no compost	none	8.55	4.1
fallow	none	7.71	
no compost	positive	8.78	
no compost	positive	7.9	
no compost	positive	9.4	
fallow	positive	8.7	
fallow	positive	8.2	
fallow	negative		4.3
fallow	negative		4.5
fallow	negative		4.5
fallow	none		5.2
fallow	none		5.1
fallow	positive		7.7
fallow	positive		9.3
fallow	positive		7.6

fallow	positive		7.7
fallow	positive		6.9
fallow	positive		7.8
fallow	positive		9.7
fallow	positive		8.3
fallow	positive		6.3
fallow	positive		7.4
minral fertilizer	positive		134
minral fertilizer	positive		120
minral fertilizer	positive		161
minral fertilizer	positive		159.9
minral fertilizer	positive		102.2
minral fertilizer	positive		107.2
minral fertilizer	none		1.8
minral fertilizer	none		1.9
minral fertilizer	none		1.9
minral fertilizer	positive		
minral fertilizer	positive		21.3
minral fertilizer	positive		18.7
no compost	none	0.78	
minral fertilizer	positive		
minral fertilizer	positive	0.8	
minral fertilizer	positive	0.89	
no compost	positive	0.94	
no compost	positive	1.04	
no compost	positive	1.01	
no compost	positive	14.5	
no compost	positive	21	
no compost	positive	37	
fallow	positive	0.59	
fallow	positive	0.67	
fallow	positive	0.41	
fallow	positive	0.68	
fallow	positive	0.55	
no compost	positive	0.62	
fallow		0.35	
	positive		
	positive		
	positive		
no compost	none		388.22
no compost	positive		429
no compost	positive		471.4
no compost	positive		558.2
no compost	none		696
no compost	positive		39.4
no compost	positive		41.9
no compost	positive		47.7

fallow	none	44.2	
fallow	positive	48.1	
fallow	positive	47.1	
fallow	positive	49.4	
fallow	positive	49.1	
fallow		43.2	
no compost	none		52
no compost	positive		8.54
no compost	positive		12.8
no compost	positive		18.3
no compost	none		21
no compost	positive		3
no compost	positive		3.2
no compost	positive		3.6
minral fertilizer	positive		
minral fertilizer	positive	30	
minral fertilizer	positive	29	
	positive		
	positive		
	positive		
no amendment	none	51.7	
no amendment	none	51.6	
no amendment	none	48.7	
no amendment	none	51.6	
no amendment	none	50	
no amendment	positive	50.7	
no amendment	positive	53.7	
no amendment	positive	48.3	
no amendment			3.4
no amendment	none		5.5
no amendment	none		4.9
no amendment	none		4.9
no amendment	positive		5.9
no amendment	positive		6
no amendment	positive		5.7
no amendment			5.18
no amendment	none		218
no amendment	none		224
no amendment	none		205
no amendment	none		204
no amendment	none		200
no amendment	positive		252
no amendment	positive		200
no amendment	positive		171
no amendment	positive	1.28	
no amendment	positive	1.14	
no amendment	positive	1.15	

no amendment	positive	1.2	
no amendment	positive	1.2	
no amendment	positive	1.18	
no amendment	positive	1.18	
no amendment		1.12	
Uncovered Control	negative		0.99
Uncovered Control	negative		0.96
Uncovered Control	negative		1
Covered control	negative		1.12
Covered control	negative		1.6
Covered control	negative		1
Uncovered Control	none		1.5
Covered control	none		1.5
Uncovered Control	none		2
Covered control	none		1.9
Uncovered Control	none		2
Uncovered Control	none		1.5
Covered control	none		1.8
Covered control	none		1.9
Covered control	positive		3
Covered control	positive		1.8
Uncovered Control	positive		3
Covered control	positive		2.7
Uncovered Control	positive		
Uncovered Control	positive		3
Uncovered Control	negative	20.12	
Covered control	negative	19.4	
Uncovered Control	negative	21.28	
Uncovered Control	negative	8.75	
Covered control	negative	9.62	
Uncovered Control	negative	4.29	
Covered control	none		
Uncovered Control	none		
Uncovered Control	none		
Uncovered Control	none		
Covered control	none		
Covered control	none		
Uncovered Control	none		
Covered control	none		
Uncovered Control	positive	7.58	
Covered control	positive	11.66	
Covered control	positive	13.43	
Covered control	positive	6.12	
Uncovered Control	positive	3.1	
Covered control	positive	10.15	
Covered control	negative	61.2	
Uncovered Control	negative	39.4	

Uncovered Control	negative	4.7
Uncovered Control	negative	71.1
Uncovered Control	negative	73.7
Uncovered Control	negative	95.2
Covered control	negative	8.12
Uncovered Control	negative	93.6
Covered control	negative	59.14
Covered control	none	9.59
Covered control	none	9.12
Covered control	positive	14.3
Uncovered Control	positive	10
Uncovered Control	positive	15
Uncovered Control	positive	17
Covered control	positive	15
Covered control	positive	12.4
Uncovered Control	positive	11.3
Covered control	positive	1.6
Covered control		
Covered control	negative	28.44
Uncovered Control	negative	1.83
Uncovered Control	none	
Uncovered Control	none	
Uncovered Control	none	
Covered control	none	
Uncovered Control	none	20.18
Covered control	positive	23.45
Uncovered Control	positive	17.35
Covered control	positive	24.77
Covered control	positive	7.7
Uncovered Control	positive	
Covered control	positive	10.3
Uncovered Control	positive	15.6
Covered control	positive	2.67
Covered control	positive	1.23
Uncovered Control	positive	
Covered control	positive	24.23
Uncovered Control	positive	5.3
Covered control	positive	17.35
	negative	21.9
	negative	21.3
	none	25
	none	25
	none	24.4
	none	24.6
	none	25
	none	24.7
	positive	25.7

	positive	26	
	positive	26	
	positive	25.5	
	positive	23.9	
	positive	25.4	
	positive	24.1	
	positive	25.9	
	positive	24.5	
	positive	26.3	
	positive	26.4	
	positive	26.7	
Uncovered Control	negative		1.16
Covered control	negative		1.13
Covered control	negative		1.19
Uncovered Control	negative		1.12
Covered control	negative		1.14
Covered control	none		1.25
Uncovered Control	none		1.29
Uncovered Control	none		1.25
Covered control	none		1.3
Uncovered Control	none		1.31
Uncovered Control	none		1.37
Covered control	none		1.26
Uncovered Control	none		1.22
Uncovered Control	none		1.3
Uncovered Control	positive		1.27
Covered control	positive		1.49
Uncovered Control	positive		1.48
Covered control	positive		1.49
Covered control	positive		1.55
Covered control	positive		1.4
	none		32.4
	none		31.5
	negative	0.89	
	negative	0.721	
	positive	0.028	
	positive	0.688	
	negative		0.11
	positive		0.67
	positive		0.16
	positive		1075
	positive		406
	positive		606
	positive		44
	positive		40
	positive		32
	positive		288

	positive		907
	positive		279
	negative	2.1	
	none	3.6	
	none	3.6	
	positive	4.3	
	positive	4.3	
	positive	4.4	
without fertilizer	none		75.47
without fertilizer	none		75.47
without fertilizer	none		75.47
without fertilizer	none		75.47
without fertilizer	positive		87.78
without fertilizer	positive		89.82
without fertilizer	positive		87.78
without fertilizer	positive		89.82
without fertilizer	positive		87.78
without fertilizer	positive		89.82
without fertilizer	positive		87.78
without fertilizer	positive		89.82
	negative		10.3
	positive		263.1
	positive		332.7
	negative		
ploughing	none		
ploughing	none		
ploughing	none		
ploughing	none		
	none		25
	none		10
ploughing	none		
	none		
	none		
	none		
	none		
	none		
	none		
	positive		17
	positive		39
	positive		103
	positive		46
	positive		
	positive		46
ploughing	positive		500
	positive		41
	positive		35
	positive		11

	positive		26
	positive		26
	positive	8	
	positive		30
	positive		27
	positive		12.6
	positive		45.3
	positive		14.7
	positive		55.5
	positive		23.9
	positive		92.5
	positive		
	none		358.4
	none		224.6
	none		0.01
	none		0.007
	positive		402.2
weed control	positive		0.5
weed control	positive		0.47
weed control	positive		0.64
weed control	positive		0.48
weed control	positive		0.51
weed control	positive		0.59
control (T1)	none	0.2	
control (T1)	none	0.2	
control (T1)	none	0.2	
control (T1)	none	0.2	
control (T1)	positive	0.2	
control (T1)	positive	0.24	
control (T1)	positive	0.2	
control (T1)	positive	0.23	
control (T2)	positive	0.29	
control (T2)	positive	0.3	
control (T2)	positive	0.29	
control (T2)	positive	0.35	
control (T2)	positive	0.3	
control (T2)	positive	0.4	
control (T2)	positive	0.4	
control (T2)	positive	0.5	
control (T1)	positive	0.2	
control (T1)	positive	0.17	
control (T1)	positive	0.17	
control (T1)	positive	0.23	
control (T2)	positive	0.25	
control (T2)	positive	0.23	
control (T2)	positive	0.2	
control (T2)	positive	0.25	

control (T1)	positive	0.2	
control (T1)	positive	0.15	
control (T1)	positive	0.17	
control (T1)	positive	0.2	
control (T2)	positive	0.1	
control (T2)	positive	0.09	
control (T2)	positive	0.15	
control (T2)	positive	0.14	
	positive	100	
	positive	76	
	positive	32	
	positive	78	
	negative	1.14	73.7
	positive		542.1
	positive		575.6
	negative	0.851	
	negative	0.055	
	negative	6	
	none		0.98
	positive	0.006	
	positive		1.11
	positive	0.465	
	positive		1.95
	positive		1.17
	negative		6.6
weed control	none		
weed control	none		
weed control	none		
weed control	none		
weed control	none		
weed control	none		
	none		6.5
	negative		5.5
without fertilizer	negative		4.2
without fertilizer	negative		5.2
without fertilizer	negative		5.1
without fertilizer	negative		4.2
without fertilizer	negative		5.2
without fertilizer	negative		5.1
without fertilizer	none		
without fertilizer	none		
without fertilizer	none		
without fertilizer	none		
without fertilizer	none		
without fertilizer	none		

	positive		6.75
	positive		7.8
control (T2)	negative		5.8
control (T2)	negative		5.7
control (T2)	negative		5.5
control (T2)	negative		6.3
control (T2)	negative		6
control (T2)	negative		5.3
control (T2)	negative		5.8
control (T1)	none		7.1
control (T1)	none		7.3
control (T1)	none		7.2
control (T1)	none		7.5
control (T1)	none		7.5
control (T1)	none		7.7
control (T1)	none		7.6
control (T1)	none		8
control (T2)	positive		6.4
	none		7.4
	none		7.4
	none		7.5
	none		7.4
	none		7.5
	none		7.5
without fertilizer	none		29.8
without fertilizer	none		29.8
without fertilizer	none		29.8
without fertilizer	none		29.8
without fertilizer	positive		47.2
without fertilizer	positive		51.7
without fertilizer	positive		47.2
without fertilizer	positive		51.7
without fertilizer	positive		47.2
without fertilizer	positive		51.7
without fertilizer	positive		47.2
without fertilizer	positive		51.7
	negative	75	
	none	21	
	none	21	
	none	17.7	
	none	17.3	
	none	24.3	
	none	9.6	
	none	9.3	
	none	24.3	
	none	24.1	
	none	18.2	

	none	16.5
	none	18.2
	none	17.7
	none	18.8
	none	15.5
	none	16.9
without fertilizer	none	
without fertilizer	none	
without fertilizer	none	
without fertilizer	none	
without fertilizer	none	
without fertilizer	none	
control (T1)	positive	17.1
control (T1)	positive	17
control (T1)	positive	16.1
control (T1)	positive	23.1
control (T2)	positive	15.5
control (T2)	positive	18.5
control (T2)	positive	18.6
control (T2)	positive	20.1
control (T1)	positive	14.8
control (T1)	positive	15.1
control (T1)	positive	12.4
control (T1)	positive	17.1
control (T2)	positive	14
control (T2)	positive	17.9
control (T2)	positive	17.5
control (T2)	positive	17.2
	positive	27
	positive	7.4
	positive	9
	positive	18.9
	positive	18.1
	positive	9
	positive	24
	positive	28.9
	positive	19
	positive	15
	positive	40
	positive	17.6
without fertilizer	positive	12.7
without fertilizer	positive	11
without fertilizer	positive	11
without fertilizer	positive	12
without fertilizer	positive	11
without fertilizer	positive	11
	positive	17

		negative	3.83
	2018	negative	69
ploughing		negative	2
ploughing		negative	1.9
ploughing		negative	2.1
ploughing		negative	1.8
	2011	negative	69
	2018	negative	61
	2018	negative	48
	2018	negative	62
	2018	negative	50
ploughing		negative	2.2
ploughing		negative	2.3
	2018	negative	66
		none	1.7
	2011	none	67
		none	1.59
		none	1.7
without fertilizer		none	1.67
without fertilizer		none	1.67
without fertilizer		none	1.67
without fertilizer		none	1.67
		positive	
		positive	12.5
		positive	9
		positive	
		positive	25
		positive	4.97
		positive	5.52
	2010	positive	77
	2011	positive	75
		positive	2.27
		positive	6
	2010	positive	71
	2010	positive	72
	2010	positive	75.2
	2011	positive	70
	2010	positive	61.4
	2011	positive	65
	2010	positive	75
	2011	positive	73
without fertilizer		positive	2.15
without fertilizer		positive	2.09
without fertilizer		positive	2.15
without fertilizer		positive	2.09
without fertilizer		positive	2.15
without fertilizer		positive	2.09

without fertilizer		positive	2.15	
without fertilizer		positive	2.09	
		negative		1.8
		negative		4.2
		negative		1.8
	2010	none	2.1	
		none		
		none		
		none		
		none		
		none		
		none		
	2010	none	2.1	
	2010	none	2	
	2010	none	2.2	
	2011	positive	3.1	
	2018	positive	2.7	
		positive	32	5
		positive	32	2.5
		positive		4.5
		positive		2.1
		positive		4.4
		positive		2.1
	2010	positive	2.4	
	2011	positive	3.5	
	2018	positive	3.2	
	2010	positive	2.4	
	2011	positive	3.7	
	2018	positive	3.2	
		positive	34	5
		positive	34	2.5
	2011	positive	2.9	
	2018	positive	2.6	
		positive		4.4
	2011	positive	3.2	
	2018	positive	2.7	
	2011	positive	2.8	
	2018	positive	2.7	
		negative		5.12
weed control		none	16	
weed control		none	11	
weed control		none	15	
		positive		10.7
		positive		9.71
weed control		positive	18	
weed control		positive	14	
weed control		positive	17	

		positive	4	
		none		
		none		
		none		
		none		
		negative	2.1	
		negative	1.8	
weed control		none	2.1	
weed control		none	2.1	
weed control		positive	2.5	
weed control		positive	2.3	
weed control		positive	2.5	
weed control		positive	2.8	
		positive	3	
	2018	negative	23	
		negative	28.8	
	2011	negative	27	
	2018	negative	24	
	2018	negative	22	
	2018	negative	23	
		negative	28.9	
		negative	27	
	2018	negative	22	
	2018	negative	23	
		none	25.1	
		none		14
		none	24.4	22
		none		13
		none	23.6	
	2011	none	25	
		none		15
		none	24.8	
		none		7.5
		none	23.7	
		none		10
		none	25.1	
		none		12
	2010	positive	27	
	2011	positive	26	
		positive	39	
	2010	positive	27	
	2010	positive	26	
	2010	positive	27	
	2011	positive	26	
	2010	positive	26	
	2011	positive	25	
	2010	positive	27	

	2011	positive	27
control (T2)		negative	2.3
control (T2)		negative	2.9
control (T2)		negative	2.22
control (T2)		negative	2.26
control (T2)		negative	2.02
control (T2)		negative	2
control (T1)		none	0.16
control (T1)		none	3.6
control (T1)		none	4
control (T1)		none	4.4
control (T2)		none	4.6
control (T1)		none	3.4
control (T1)		none	3.15
control (T1)		none	3.3
control (T1)		none	3.16
control (T2)		positive	3.1
control (T1)		none	0.2
control (T1)		none	0.26
control (T1)		none	0.27
control (T1)		none	0.31
control (T2)		none	0.16
control (T2)		none	0.22
control (T2)		none	0.23
control (T2)		none	0.25
control (T1)		none	0.13
control (T1)		none	0.14
control (T1)		none	0.15
control (T1)		none	0.17
control (T2)		none	0.15
control (T2)		none	0.16
control (T2)		none	0.16
control (T2)		none	0.16
without fertilizer		none	
without fertilizer		none	
without fertilizer		none	
without fertilizer		none	
weed control		positive	10.7
weed control		positive	7.9
weed control		positive	25.3
weed control		positive	11
weed control		positive	8.3
weed control		positive	26.2
without fertilizer		positive	0.17
without fertilizer		positive	0.13
without fertilizer		positive	0.17
without fertilizer		positive	0.13

without fertilizer	positive	0.13	
without fertilizer	positive	0.17	
without fertilizer	positive	0.13	
without fertilizer	positive	0.17	
	none	5.6	
	none	5.4	
	none	3.8	
	positive	4.4	
	none	20	
	none	35	
	positive	40	
	positive	40	
	positive	40	
	positive	40	
	positive	7.7	
	positive	12.6	
	positive	9.3	
	positive	5.25	
	positive	6.25	
	positive	8.4	
	none		11.9
	none		11.78
without fertilizer	none		5.45
without fertilizer	none		4.46
without fertilizer	none		3.99
without fertilizer	none		6.6
without fertilizer	none		4.3
without fertilizer	none		4.9
	positive	4	
	positive		3.95
	positive		12.8
	positive		3.1
	positive		4.1
	positive		4.62
	positive		4.49
	positive		4.23
without fertilizer	positive		10.83
without fertilizer	positive		9.93
without fertilizer	positive		9.5
without fertilizer	positive		7.5
without fertilizer	positive		7.5
without fertilizer	positive		7.6
	positive		12.4
	none		1.26
	none		1.222
	positive		1.43
	negative		48

	none		125.3
	positive		189.3
	negative		7.4
	positive		41.2
	positive		36.9
	none		4.1
	none		4.7
	positive		5.3
	negative	2	
	positive	2.5	
	positive	2.4	
	negative		25.5
	none		30
	positive		37
	none		10
	positive		22.8
	positive		18
no compost	none		1.45
no compost	positive		3.7
no compost	positive		5.23
no compost	positive		15.4
no compost	none		0.3
no compost	positive		2.92
no compost	positive		0.92
no compost	positive		2.12
	negative		1.66
	positive		
	positive		
	positive		
	positive		
	none		0.35
	none		0.55
	positive		0.67
	positive		0.65
	positive		0.76
	positive		0.64
no compost	none		
no compost	positive	1.1	
no compost	positive	1.3	
no compost	positive	2.5	
no compost	none		6.4
no compost	none		6.3

no compost	none		6.5
no compost	none		6.5
no compost	none		0.8
no compost	none		1.6
no compost	positive		1.89
no compost	positive		2.13
	negative		1.6
	none		2.4
	none		2.4
	positive		2
	positive		2.6
	none	33	
	none	38	
	positive	47	
	positive	48	
	positive	46	
	positive	115	
	positive	110	
	positive	80	
	positive	118	
	positive	100	
	positive	100	
	positive	115	
	positive	90	
	positive		
	positive		
	positive	11	
	positive		
	positive	10	
	positive	34	
	positive	16	
	none		0.48
	none		0.54
	positive		0.79
	positive		0.74
	positive		0.83
	positive		0.78
	positive	12.9	120
	positive	12.9	136
	negative	3.04	
	positive	3	
	none	3.39	
	none		
	none	3	
	positive	3.88	
	none		27
	positive	141	66

	none	15.8	
	none		
	positive	177	137
	positive	1.19	49
	none		
	positive	7.7	
	none		288
	positive	28.3	369
	positive	32	10.29
	positive	33	7.7
	none	5.8	
	positive	19	
	positive	39.43	289
	positive	34	207
	positive	66.2	
	positive	28	
	negative	0.4	
	negative	0.4	
	positive	17.3	
	positive	12.6	
	positive	16.6	
	positive	5	
	positive	12.6	
	positive	14.6	
conventional tillage (PT)	negative	1	94
conventional tillage (PT)	positive	40	120
conventional tillage (PT)	positive	14	100
conventional tillage (PT)	positive	5.9	
	positive	8	
	positive	29	
	positive	42.3	
	positive	43.7	
	positive	30	
no amendments	positive		
no amendments	positive		
no amendments	positive		
conventional tillage (PT)	positive	48	
	none		
	none		
	positive		26
	positive		16.4
	positive		13.5
	positive	3.1	
	positive	4.9	
	none		
	none		
	none		

	none		
	none		
	none		
	positive	24.44	
	positive	38.76	
	positive	28.48	
	positive	33.44	
	positive	46.48	
	positive	33.52	
conventional tillage (PT)	positive	59.3	
conventional tillage (PT)	negative	22.2	129.4
conventional tillage (PT)	negative	25	0.6
conventional tillage (PT)	negative	55	0.5
conventional tillage (PT)	negative	29	0.5
conventional tillage (PT)	negative	36	44
conventional tillage (PT)	negative	35	52
conventional tillage (PT)	negative	35	52
	none		1.41
	none		1.39
	none		1.41
	none		1.51
	none		1.38
	none		
	none		
	positive		1.9
	positive		2.6
	positive		3
	none		5.4
	none		5.6
	none		5.5
	none		5
	none		5.2
	none		
	positive	75	
	negative	6.8	
	none	7.5	
	none	9.1	
	none	7.7	
	positive	9.5	
	none		
	positive	95	
	none		119
	positive		120
	positive		121
	positive		123
	positive		122
	none		19.6

	positive		22.3
	positive		22.4
	positive		20.9
	positive	1.9	
	positive	1.4	
	positive		23.5
	none	0.13	
	none	0.13	
	none	0.12	
	none	0.12	
	none	0.14	
conventional tillage (PT)	positive	34.4	10.97
conventional tillage (PT)	negative	3	620
conventional tillage (PT)	positive	10	710
conventional tillage (PT)	positive	5	650
	positive	30.4	
	positive	20	
no amendments	none		
no amendments	none		
no amendments	none		
conventional tillage (PT)	none		
	none		44
	none		59
	none		123
	none		45
	none		61
	none		101
	none		49
	none		63
	none		99
	negative	0.93	
	none	1.12	
	none	1.09	
	none	1.09	
	positive	1.9	
	positive	1.39	
	positive	1.9	
	positive	2.33	
	positive	1.49	
	negative	1	
	negative	8	
	negative	3	
	positive	36	
	positive	46	
	positive	36	
	positive	28.6	
	positive	42	

	positive	33	
	negative	13.4	
	none	17	
	none	15.2	
	none	17	
	none	15.5	
	none	17	
	none	13	
	positive	16	
	positive	17.2	
no amendments	none		
no amendments	none		
no amendments	none		
no amendments	none		
no amendments	none		
no amendments	none		
minral fertilizer	negative	3.9	
minral fertilizer	negative	3.2	
minral fertilizer	negative	3.2	
	none		
	none		
	none		
minral fertilizer	none		75.2
minral fertilizer	positive		121
minral fertilizer	positive		
minral fertilizer	none		66.4
minral fertilizer	positive		95.3
minral fertilizer	positive		
minral fertilizer	none		1.9
minral fertilizer	none		2.5
minral fertilizer	none		2.9
minral fertilizer	negative		16.5
minral fertilizer	none		21.4
minral fertilizer	positive		36.4
minral fertilizer	positive	0.71	
minral fertilizer	positive	0.65	
minral fertilizer	positive	0.67	
minral fertilizer	none		
minral fertilizer	none		
minral fertilizer	positive	25	
unmulched	none	0.051	
unmulched	positive	10.8	
unmulched	positive	177	
unmulched	positive	185.9	
unmulched	positive		9
unmulched	positive		7
unmulched	none	1.8	

unmulched	positive	3.5	
unmulched	none		
unmulched	positive	12	
	positive		113.6
	positive		83.8
	positive		25
	positive		19.2
	positive		40.2
	positive		29.6
	positive	43	
	positive	28	
	positive	67	

unit	replicate
g/cm2	
0.1 g cm-3	3
0.1 g cm-3	3
0.1 g cm-3	3
0.1 g cm-3	3
g/cm3	5
g/cm3	5
g/cm3	5
g/cm3	5
g/cm3	5
g/cm3	5
g/cm3	3
g/cm3	3
g/cm3	3
g/cm3	3
	4
	4
	4
mm/h	3
mm/h	3
mm/h	3
mm/h	3
µg N g–1	
µg N g–1	
µg N g–1	
µg N g–1	
µg N g–1	
µg N g–1	
µg N g–1	
µg N g–1	

µg N g–1	
µg N g–1	
µg N g–1	
µg N g–1	
µg N g–1	
µg N g–1	
µg N g–1	
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
g/kg	
g/kg	
g/kg	
g/kg	
g/kg	
g/kg	
g/kg	
g/kg	
g/kg	
g/kg	
g/kg	
g/kg	
g/kg	
g/kg	
KCL	5
water	5
water	
water	
water	
water	
water	
water	
KCL	5
KCL	5
KCL	5
water	5

water	5
water	5
water	
water	
water	
water	
water	
water	
water	
water	
KCL	5
KCL	5

mg/kg	5
	5
	5
	5

g/kg
g/kg
g/kg
g/kg
g/kg
g/kg
g/kg
g/kg

g/kg	
g/kg	
g/kg	
g/kg	
g/kg	
g/kg	
g/kg	
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
	4
mg/kg	4
mg/kg	4
	3
	4
	4
	4
	3
	3
	3
	5
	5
	5
	5
	5
	5
	5
	5
	5
	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5

	5
	5
	5
	5
	5
	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	5
mg/kg	4
	4
	4
	3
	3
	3
	3
	3
	3
	3
t/ha	3
t/ha	3
t/ha	3
t/ha	3
t/ha	3
t/ha	3
t/ha	3
t/ha	3
µg C*g−1 soil	3
µg C*g−1 soil	3
µg C*g−1 soil	3
µg C*g−1 soil	3
µg C*g−1 soil	3
µg C*g−1 soil	3
µg C*g−1 soil	3
µg C*g−1 soil	3
	3
	3
	3

	3
	3
	3
	3
	3
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	
pce/sample	

Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
Mpa
2
2

µmol PNP g–1 soil hr–1
µmol PNP g–1 soil hr–1
µmol PNP g–1 soil hr–1
mg/kg
mg/kg
mg/kg
mg/kg
mg/kg
mg/kg
mg/kg

mg/kg
mg/kg

µg INTF/g/2 h	6
µg INTF/g/2 h	6
µg INTF/g/2 h	6
µg INTF/g/2 h	6
µg INTF/g/2 h	6
µg INTF/g/2 h	6
µg INTF/g/2 h	6
µg INTF/g/2 h	6
µg INTF/g/2 h	6
µg INTF/g/2 h	6
µg INTF/g/2 h	6
µg INTF/g/2 h	6
µg formazan g–1 soil day–1	
µg formazan g–1 soil day–1	
µg formazan g–1 soil day–1	

(nr/0-200 mm/m2)
(nr/0-200 mm/m2)

in d m2
in d m2
in d m2
in d m2
in d m2
in d m2
ind m2
(nr/0-200 mm/m2)

in.m-2	2
in.m-2	2

in.m-2
in.m2
(nr/0-200 mm/m2)
ind m2
ind m2

(nr/0-200 mm/m2)
ind m2

ind m2
(nr/0-200 mm/m2)
in d m2
in d m2
in d m2
in d m2
in d m2
in d m2

µS cm–1
µS cm–1
2
2
µS cm–1
dS m−1 9
dS m−1 9
dS m−1 9
dS m−1 9
dS m−1 9
dS m−1 9
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4

4
4
4
4
4
4
4
4

µg C g–1 soil
µg C g–1 soil
µg C g–1 soil

4

Mpa

Mpa

Mpa
Mpa
2
9
9
9
9
9
9
2

HCL 6
HCL 6
HCL 6
HCL 6
HCL 6
HCL 6
6
6
6
HCL 6
HCL 6
HCL 6

water	4
water	4
water	4
water	4
water	4
water	4
water	4
water	4
water	4
water	4
water	4
water	4
water	4
water	4
water	4
water	4

mg P2O5/g/2 h	6
mg P2O5/g/2 h	6
mg P2O5/g/2 h	6
mg P2O5/g/2 h	6
mg P2O5/g/2 h	6
mg P2O5/g/2 h	6
mg P2O5/g/2 h	6
mg P2O5/g/2 h	6
mg P2O5/g/2 h	6
mg P2O5/g/2 h	6
mg P2O5/g/2 h	6
mg P2O5/g/2 h	6
	4
	4
	4

4
4
4
4
4
4
6
6
6
6
6
6
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4

2
2
4
4
4

4
6
6
6
6
6
6

6
6
6
6

6
6
6
6
6
6

6
6
MPa
MPa
MPa

MPa
MPa
MPa
MPa
MPa
MPa

MPa

µg CO_2 g^{-1} soil hr^{-1}
9
9
9
µg CO_2 g^{-1} soil hr^{-1}
µg CO_2 g^{-1} soil hr^{-1}
9
9
9

2
2
9
9
9
9
9
9

g/g
ind m2
g/g

g/g

g/g

g/g

g/g

4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
6
6
6
6
9
9
9
9
9
9
6
6
6
6

	6
	6
	6
	6
t/ha	
t/ha	
t/ha	6
t/ha	6
t/ha	6
t/ha	6
t/ha	6
t/ha	6
	4
t/ha	
t/ha	
t/ha	
t/ha	
t/ha	
t/ha	
t/ha	
t/ha	6
t/ha	6
t/ha	6
t/ha	6
t/ha	6
t/ha	6
t/ha	
g/cm3	4
g/cm3	4
g/cm3	4
ind/m2	4

ind/m2		4
ind/m2		4
g/m2		4
g/m2		4
g/m2		4
KCl		4
KCl		4
KCl		4
		4
		4
		4
t/ha		4
t/ha		4
t/ha		4
CO2mg/50g/10day		4
CO2mg/50g/10day		4
CO2mg/50g/10day		4
g/pot		3
g/pot		3
g/pot		3
g/pot		3
g/pot		3
g/pot		3
g/pot		3
g/pot		3
g/cm3		
	Data not shown	
	Data not shown	
	Data not shown	
	Data not shown	
ck/m2		
ck/m2		
ck/m2		
ck/m2		
ck/m2		
ck/m2		
		3
		3
		3
		3
		3
		3

	3
	3
g/pot	3
g/pot	3
g/pot	3
g/pot	3
cm/h	
cm/h	
cm/h	
cm/h	
cm/h	
kg/m2	
kg/m2	
kg/m2	
kg/m2	
kg/m2	
kg/m2	
mg/kg	
mg/kg	
no/m2	
no/m2	

mg/kg
mg/kg

mg/kg
mg/kg
g/kg
g/kg

mg/kg
mg/kg

mg/kg P	4
mg/kg P	4
mg/kg P	4
	4
	6
	6
	6
	4

g/m2
g/m2
g/m2

mm/h	
mm/h	
mm/h	
mm/h	
mm/h	
mm/h	
	4
µg/g C	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
g/cm3	
g/cm3	
g/cm3	
g/cm3	
g/cm3	
MPa	
MPa	
MPa	
KCL	
KCL	
KCL	
KCL	
KCL	
mm	
mm	
mm	
mm	
mm	
g/kg	

g/kg	
g/kg	
g/kg	
g/kg	
mg/g	4
mg/kg P	4
mg/kg P	4
mg/kg P	4
	6
	6
	6
	4
ind m2	
ind m2	
ind m2	
ind m2	
ind m2	
ind m2	
ind m2	
ind m2	
ind m2	

	6
	6
	6
	6
	6
	6
	4
	4
	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
mg/kg	4
	4
	4
	4
	4
	4
	4
mg/kg	
mg/kg	

pcs/m2
pcs/m2
pcs/m2
pcs/m2
pcs/m2
pcs/m2

note

This study investigated if the nocturnal occurrence of woodcocks during migratory stopover periods differed betwe

2018
2019
2020
2021
2018
2019
2020
2021
2018
2019
2020
2021
2018
2019
2020
2021
2018
2019
2020
2021
2018
2019
2020
2021

2018
2019
2020
2021
2018
2019
2020
2021

2018
2019
2020
2018
2019
2020
2021
2018
2019
2020
2021
2018
2019
2020
2021
2021

2018
2021

2018
2019
2020
2021
2018
2019
2020
2021
2018
2019
2020
2021
2018
2019
2020
2021

TheSOCvalues showedgradual decreasewith increasingdepth

there were no significant differences found among the tillage treatments on SPR in 2016, at 10cm depth

A tillage operation in a given moment is to adapt to the soil moisture content for decreased tillage-induced damag

2019
2020
2018
2019
2020
2021
2018
2019
2020
2021
2018
2018
2019
2020
2021
2021
2018
2019
2020
2021
2018
2019
2020
2021
2018
2019
2020
2021
2018
2019
2020
2021

the result is not available
the result is not available
the result is not available
the result is not available
the result is not available

this is earthworm mass

entry date	entry name
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer
	Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
een two neig Omer
Omer
Omer

Omer
Omer
Omer

Omer	
Omer	
Omer	The paper was so difficult to understand
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	
Omer	

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer

Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
e. Improving Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer
Omer

id	location_regio	depth_upp	depth_low	soc	som	sand	silt	clay	texture
1	Józsefmajor	0	30						NA
2	Szentgyörgyvá	0	30			36	60	4	silt loam
2	Szentgyörgyvá	0	15		2.31	36.43	59.63	3.94	silt loam
2	Szentgyörgyvá	15	30		2.08	39.12	57.2	3.68	silt loam
2	Szentgyörgyvá	30	45		0.45	36.74	58.46	4.8	silt loam
3	Nyírlugos	0	30		0.6				sandy
4	Őrbottyán	0	25		1	81	13	6	loamy sanc
5	Nyírlugos	0	25		0.6	85	10	5	loamy sanc
6	Szentgyörgyvá	0	30			36	60	4	silt loam
6	Szentgyörgyvá	0	15		2.31	36.43	59.63	3.94	silt loam
6	Szentgyörgyvá	15	30		2.08	39.12	57.2	3.68	silt loam
6	Szentgyörgyvá	30	45		0.45	36.74	58.46	4.8	silt loam
8	Nyírlugos	0	30		0.6				NA
9	Őrbottyán	0	25		1	81	13	6	loamy sanc
9	Nyírlugos	0	25		0.6	85	10	5	loamy sanc
8	Szentgyörgyvá	0	15			36.43	59.63	3.94	
8	Szentgyörgyvá	15	30			39.12	57.2	3.68	
8	Szentgyörgyvá	30	45			36.74	58.46	4.8	
9	Gödöllo	0	30						loamy
9	Gödöllő	0	10						
10	Debrecen	0	20		1.7				
11	Mezőség Loes	0	10						
11	Mezőség Loes	10	40						
12	Gödöllő	0	30						
12	Gödöllő	0	30						
13	Hatvan	0	50			10	56	36	loamy
14	Hatvan	0	50			10	56	36	
15	Gödöllő	0	30			12	47	26	
16	Szolnok	0	30						loamy
17	Hatvan	0	10	2.27		10	56	36	loamy
18	Pannonian reg	0	15	2.23		28.8	49.5	21.7	loam
18	Pannonian reg	15	30	1.48		27.7	50.8	21.5	silty loam
19	Hatvan	0	30	3.12		10	54	36	clay loam
20	Hatvan	0	40	1.86		10	54	36	clay loam
21	Hatvan	0	40	1.86		10	54	36	clay loam
22	Hatvan	0	40	2.9		10	54	36	clay loam
23	Hungary	0	20						loamy
24	Hungary	0	30						loamy
25	Gödöllő	0	10						sandy loam
26	Hatvan	0	10						sandy loam
26	Gödöllő	0	10						sandy loam
27	Hatvan	0	50			10	56	36	loamy
28	Dioskal	0	30						sandy loam
29	Dioskal	0	15			8.78	48.91	42.31	sandy loam
29	Dioskal	15	30			9.48	52.14	38.38	sandy loam
29	Dioskal	30	45			11.53	52.7	35.76	sandy loam

30	Szarvas	0	30	2.4					clay
31	Békésszentand	0	10		2.47				clay loam
32	Nádudvar	0	30		3.41	12.4	60.7	22.05	
33	Fejér county	0	20	1.86		16.66	77.93	5.92	clay
33	Fejér county	0	20	2.13		15.77	77.93	6.3	clay
34	Terény								
35	Nádudvar	0	30		3.41	12.4	60.7	22.05	
36	Debrecen	0	10		1.7				
37	Nyíregyháza	0	30	0.9	87.67	2.67	9.64		sandy loam
38	Nyíregyháza	0	30	0.9	87.67	2.67	9.64		sandy loam
39	Gödöllő	0	30			12	47	26	
40	Nyíregyháza	0	20	0.9	89.13	2.21	8.66		sandy loam
41	Keszthely	0	30	1					sandy loam
42	Nyíregyháza	0	20	0.9	89.13	2.21	8.66		sandy loam
43	Hungary	0	60						

	caco3	ph_h2o	ph_kcl	ph_cacl2	CEC	bd	TC	TN	TON	available K
	0	6.25	4.8			1.37				
	0	6.28	4.57			1.57				
	0	6.36	4.72			1.59				
	0	4.4								
	2	7.9			9.05			0.06		
	0	4.4			1.48			0.04		
	0	6.25	4.8			1.37				
	0	6.28	4.57			1.57				
	0	6.36	4.72			1.59				
	0	4.4								
	2	7.9			9.05			0.06		
	0	4.4			1.48			0.04		
		6.25	4.8			1.37				
		6.28	4.57			1.57				
		6.36	4.72			1.59				
		7.6								0.0237
		7.2								
		5.5								
	4.3		7.4							
		4.8						0.18		
		7.8								
		8								
		6.2	5.1							
		6.4								
		6.3								
		6.8								
ıy										
ıy										
ıy										
ıy										
ıy										
ıy										
ıy										

	8.3		2.4		
	6.04				
	7.2	6.8			
	7				
	7.11				
	7.2	6.8			
	7.6				0.0237
ı	6.2	5.3			
ı	6.2	5.3			
ı	6.2	5.3			
ı	7			0.12	
ı	6.2	5.3			

available_EC	P retentior	data_entry
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Hella
		Hella
		Hella
		Hella
		Hella
		Hella
		Hella
		Jumana
		Jumana
		Jumana
		Omer
		Omer
0.36	0.45	Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer

		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
0.36	0.45	Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer
		Omer