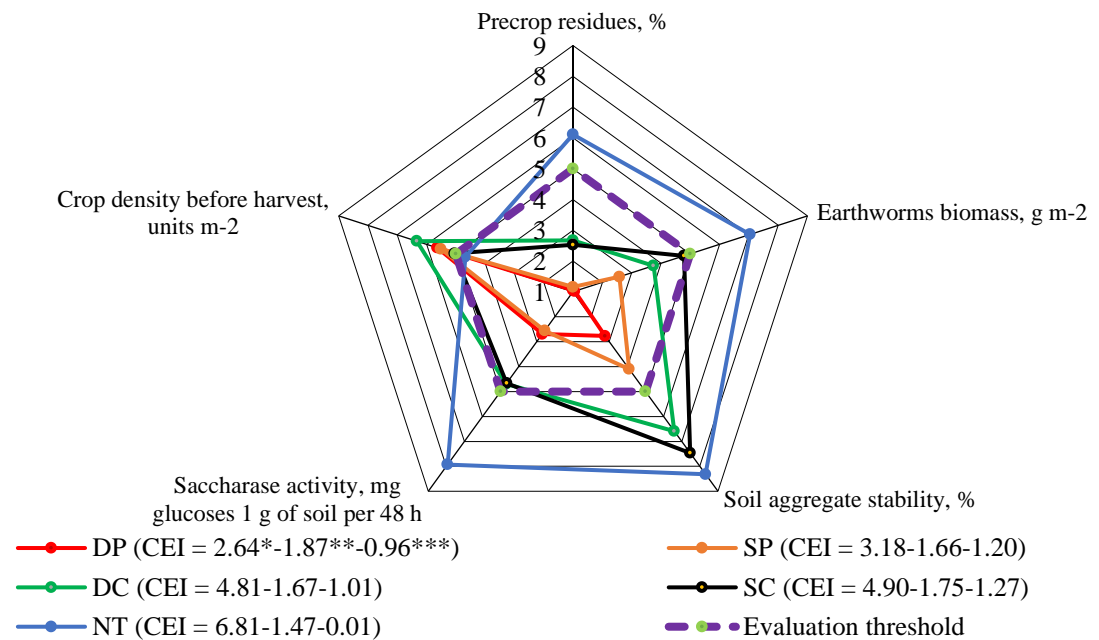


**Table S1.** Example of CEI calculations of Level 1: Soil aggregate stability, divided into the stages

Stage	Example																																																																						
1) The values of the different indicators are determined (for example, volume precrop residues). Exell platform was used.	<table><tr><td colspan="7">1) The values of the different indicators were determined</td></tr><tr><td></td><td colspan="5">I Soil aggregate stability</td><td></td></tr><tr><td></td><td>Treatmens</td><td>DP</td><td>SP</td><td>DC</td><td>SC</td><td>NT</td></tr><tr><td></td><td>Year</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Precrop residues (after sowing), %</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>2016</td><td>0,5</td><td>0,3</td><td>8,5</td><td>10,5</td><td>82,8</td></tr><tr><td></td><td>2017</td><td>1,3</td><td>1,3</td><td>7,3</td><td>11,8</td><td>22</td></tr><tr><td></td><td>2018</td><td>0,8</td><td>4,2</td><td>36,8</td><td>25,8</td><td>54,2</td></tr></table>	1) The values of the different indicators were determined								I Soil aggregate stability							Treatmens	DP	SP	DC	SC	NT		Year						Precrop residues (after sowing), %								2016	0,5	0,3	8,5	10,5	82,8		2017	1,3	1,3	7,3	11,8	22		2018	0,8	4,2	36,8	25,8	54,2														
1) The values of the different indicators were determined																																																																							
	I Soil aggregate stability																																																																						
	Treatmens	DP	SP	DC	SC	NT																																																																	
	Year																																																																						
Precrop residues (after sowing), %																																																																							
	2016	0,5	0,3	8,5	10,5	82,8																																																																	
	2017	1,3	1,3	7,3	11,8	22																																																																	
	2018	0,8	4,2	36,8	25,8	54,2																																																																	
2) The real values of each indicator are converted to a uniform 9-point scale. A score of 1 corresponds to the worst or minimum value, and 9 – to the best or highest value. For all other values of the same indicator, the scores are calculated according to the following formula: $VB_i=(X_i-X_{min}) / (X_{max}-X_{min})^{-1}\times 8+1$ where: VB <sub>i</sub> is the score for a value of a given indicator, X <sub>i</sub> is the expression for a given value, X <sub>max</sub> is the maximum value for a given indicator, X <sub>min</sub> is the minimum value for a given indicator. Exell platform was used.	<table><tr><td colspan="10"><math>= (0,5-0,3)/(82,8-0,3)*8+1</math></td></tr><tr><td></td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td><td>I</td><td>J</td><td>K</td><td>L</td></tr><tr><td colspan="10">2) The real values of each indicator were converted to a uniform 9-point scale</td></tr><tr><td>Formula</td><td>1,02</td><td>1</td><td>1,8</td><td>2</td><td>9</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>1,1</td><td>1,1</td><td>1,68</td><td>2,12</td><td>3,1</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>1,05</td><td>1,38</td><td>4,54</td><td>3,47</td><td>6,23</td><td></td><td></td><td></td><td></td></tr><tr><td>Average</td><td>1,06</td><td>1,16</td><td>2,67</td><td>2,53</td><td>6,11</td><td></td><td></td><td></td><td></td></tr></table>	$= (0,5-0,3)/(82,8-0,3)*8+1$											D	E	F	G	H	I	J	K	L	2) The real values of each indicator were converted to a uniform 9-point scale										Formula	1,02	1	1,8	2	9						1,1	1,1	1,68	2,12	3,1						1,05	1,38	4,54	3,47	6,23					Average	1,06	1,16	2,67	2,53	6,11				
$= (0,5-0,3)/(82,8-0,3)*8+1$																																																																							
	D	E	F	G	H	I	J	K	L																																																														
2) The real values of each indicator were converted to a uniform 9-point scale																																																																							
Formula	1,02	1	1,8	2	9																																																																		
	1,1	1,1	1,68	2,12	3,1																																																																		
	1,05	1,38	4,54	3,47	6,23																																																																		
Average	1,06	1,16	2,67	2,53	6,11																																																																		

3) The indicators converted to scores are shown in grid diagrams with a radius from 1 to 9. Exell platform was used.



4) The scale also shows the average value of the individual indicators – the score threshold – which is equal to 5 points, and which distinguishes between the high and the low scores. The effectiveness of the measure (marked with \*) is indicated by the area bounded by the scores of all its indicators. CEI data was calculated in Stage 5.

	DP (CEI = 2.64*-1.87**-0.96***)	SP (CEI = 3.18-1.66-1.20)	DC (CEI = 4.81-1.67-1.01)	SC (CEI = 4.90-1.75-1.27)	NT (CEI = 6.81-1.47-0.01)	Evaluation threshold
Precrop residues, %	1.06	1.16	2.67	2.53	6.11	5.00
Earthworms' biomass, g m <sup>-2</sup>	1.06	2.59	3.75	4.79	7.04	5.00
Soil aggregate stability, %	2.77	4.10	6.59	7.47	8.32	5.00
Saccharase activity, mg glucoses 1 g of soil per 48 h	2.69	2.56	4.70	4.66	7.93	5.00
Crop density before harvest, units m <sup>-2</sup>	5.63	5.51	6.33	5.05	4.68	5.00

5) The calculation of the complex evaluation index (CEI), which consists of the average of the evaluation scores (\*-EP), the standard deviation of the evaluation scores (\*\*-EP) and the standard deviation of the average of the evaluation scores below the evaluation threshold (\*\*).

CEI and EP calculations were performed by the computer program STAT\_ENG in SELEKCIJA software (vers. 5.00, author dr. Pavelas Tarakanovas, Lithuanian Institute of Agriculture, Akademija, Kedainiu distr., Lithuania) was applied. This data was included in the figure legend.

