

SUPPORTING TABLE S3 for  
**Sound wave energy resulting from the impact of water drops on the soil surface**

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**S3 Table. Results from median test for sound wave energy for four different pressure head for: a) *Endogleyic Umbrisol*; b) *Fluvis Endogleyic Cambisol*; c) *Haplic Chernozem* for  $\alpha=0.05$ .**

Letters show the determination of the significance of differences for the energy of the sound wave evoked by the impact of a given drop at different initial moisture levels.

Marks show the determination of the significance of differences for the energy of the sound wave evoked by consecutive drops at a given initial moisture level.

a)

|                   |          | Number of incident drops |   |     |     |     |       |   |     |   |     |   |     |   |     |   |       |   |     |    |     |
|-------------------|----------|--------------------------|---|-----|-----|-----|-------|---|-----|---|-----|---|-----|---|-----|---|-------|---|-----|----|-----|
|                   |          | 1                        |   | 2   |     | 3   |       | 4 |     | 5 |     | 6 |     | 7 |     | 8 |       | 9 |     | 10 |     |
| Sound wave energy | 0.1 kPa  | a                        | * | a   | +   | a   | +     | a | +   | a | +   | a | +   | a | +   | a | +     | a | +   | a  | +   |
|                   | 1 kPa    | b                        | * | b   | *   | b   | *     | b | *   | b | *   | b | *   | b | *   | b | *     | b | *   | a  | *   |
|                   | 3.16 kPa | b                        | * | c/a | */+ | b/a | */+/# | c | +/# | c | #/= | c | =/^ | c | ^/- | c | =/^/- | c | ^/- | b  | -   |
|                   | 16 kPa   | c                        | * | c   | +   | b   | +     | d | +   | d | +   | d | +   | d | +   | d | +     | d | +   | c  | +/* |

b)

|                   |          | Number of incident drops |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
|-------------------|----------|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
|                   |          | 1                        |   | 2 |   | 3 |   | 4 |   | 5 |   | 6 |   | 7 |   | 8 |   | 9 |   | 10 |   |
| Sound wave energy | 0.1 kPa  | a                        | * | a | * | a | * | a | * | a | * | a | * | a | * | a | * | a | * | a  | * |
|                   | 1 kPa    | b                        | * | b | * | b | * | b | * | b | * | b | * | b | * | b | * | b | * | b  | * |
|                   | 3.16 kPa | b                        | * | b | * | b | * | b | * | b | * | b | * | b | * | b | * | b | * | b  | * |
|                   | 16 kPa   | b                        | * | b | * | b | * | b | * | c | * | b | * | c | * | b | * | b | * | c  | * |

c)

|                   |          | Number of incident drops |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |   |    |   |
|-------------------|----------|--------------------------|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|---|----|---|
|                   |          | 1                        |     | 2 |     | 3 |     | 4 |     | 5 |     | 6 |     | 7 |     | 8 |     | 9 |   | 10 |   |
| Sound wave energy | 0.1 kPa  | a                        | *   | a | *   | a | *   | a | *   | a | *   | a | *   | a | *   | a | *   | a | * | a  | * |
|                   | 1 kPa    | b                        | */+ | b | *   | b | *   | b | */+ | b | +   | b | +   | b | +   | b | +   | b | + | b  | + |
|                   | 3.16 kPa | b                        | *   | b | */+ | b | */+ | b | */+ | b | */+ | b | */+ | c | */+ | b | */+ | b | + | c  | + |
|                   | 16 kPa   | b                        | *   | b | *   | b | *   | b | */+ | b | +/# | b | +/# | d | +/# | b | #   | b | # | c  | # |