Dear Editor,

We would like to express our great appreciation to your consideration for our manuscript. I’m sorry that Table 5 in manuscript should be replaced, because the data of silt loam (two samples) is missing in it. Therefore, we should add these data to make the data in Table 5 is consistent with Table 4. Since two silt samples loam were mistaken for Sandy clay loam previously, the data of these two texture groups were changed in new table this time. All changes were showed in below.

**Table 5: Basic soil properties of 29 samples for the model validation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Soil texture | Number of |  | Clay (%) | Sand (%) | *ρ*b (g cm-3) |
|  | soil samples |  |  |  |  |
| Clay |  | Min | 43.0 | 5.4 | 1.10 |
| 5 | Max | 57.0 | 32.0 | 1.50 |
|  | Average | 51.0 | 14.4 | 1.31 |
| Loam | 2 | Min | 16.5 | 43.6 | 1.41 |
|  | Max | 29.2 | 47.9 | 1.45 |
| Loamy sand |  | Min | 1.7 | 75.5 | 1.37 |
| 5 | Max | 7.3 | 85.2 | 1.59 |
|  | Average | 4.9 | 81.0 | 1.46 |
| Sand |  | Min | 1.1 | 90.1 | 1.46 |
| 5 | Max | 4.4 | 97.5 | 1.58 |
|  | Average | 2.3 | 93.4 | 1.53 |
| Sandy loam | 2 | Min | 11.4 | 56.8 | 1.44 |
|  | Max | 12.6 | 65.7 | 1.46 |
| Sandy clay loam |  | Min | 22.3 | 40 | 1.21 |
| 4 | Max | 30.7 | 69.7 | 1.71 |
|  | Average | 25.3 | 49.6 | 1.45 |
|  |  | Min | 33.4 | 20.4 | 1.07 |
| Clay loam | 4 | Max | 37.5 | 34.7 | 1.58 |
|  |  | Average | 35.1 | 24.8 | 1.27 |
| Silt loam | 2 | Min | 10 | 28 | 1.49 |
|  |  | Max | 26 | 33 | 1.53 |

I'm sorry for the trouble I've brought you.

Best regards.

Dong-hui Cheng