**Table 1** Summary statistics for farming history and bulk density-weighted average properties of within the top 0-10 cm soil layer of study sites (n = 42 for all variables except sand, silt, and clay, where n = 15)

| **variable** | **units** | **description  (method references)** | **min** | **§Q1** | **§Q2** | **mean** | **§Q3** | **max** | **†*ρ* ~ FF** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FF | ratio | farming frequency = years w/ images classified as farmed over years classified from 1993 to sample date | 0 | 0.023 | 0.304 | 0.378 | 0.646 | 1 | 1 |
| YSF | y | years (before sampling) since farming | 0 | 5.45 | 15 | 14.4 | 25.6 | 28.5 | -0.94 \*\*\* |
| sand | % | sand content (Day, 1965) | 1.57 | 4.55 | 8.31 | 17.8 | 28.6 | 53.3 | 0.62 \* |
| silt | % | silt content (Day, 1965) | 40.4 | 60.8 | 71.4 | 68.6 | 81.3 | 84.7 | -0.53 \* |
| clay | % | clay content (Day, 1965) | 4.2 | 7.5 | 11.1 | 13.6 | 16.3 | 39.2 |  |
| MC | g g-1 | moisture content (Reddy et al., 2013) | 0.148 | 0.282 | 0.439 | 0.442 | 0.519 | 0.822 | -0.75 \*\*\* |
| BD | g cm-3 | bulk density (Reddy et al., 2013) | 0.082 | 0.398 | 0.604 | 0.625 | 0.927 | 1.18 | 0.76 \*\*\* |
| LOI | g g-1 | loss-on-ignition (Reddy et al., 2013) | 0.038 | 0.081 | 0.128 | 0.195 | 0.216 | 0.759 | -0.61 \*\*\* |
| WEP | mg P kg-1 | deionized water extractable P (Richardson & Reddy, 2013) | 0.103 | 0.37 | 0.663 | 1.76 | 2.02 | 16.6 | 0.42 \*\* |
| HCl-Pi | mg P kg-1 | inorganic P, 1M HCl (Reddy et al., 1998) | 23.5 | 305 | 464 | 488 | 589 | 1580 | 0.51 \*\*\* |
| HCl-TP | mg P kg-1 | total P, 1M HCl on ashed soil (Levy & Schlesinger, 1999b) | 297 | 932 | 1100 | 1150 | 1250 | 2630 |  |
| HCl-Po | mg P kg-1 | organic P = HCl-TP – HCl-Pi | -43.9 | 411 | 561 | 659 | 744 | 2360 | -0.48 \*\* |
| HCl-[Pi:TP] | ratio | HCl-[Pi:TP] = HCl-Pi / HCl-TP | 0.035 | 0.321 | 0.442 | 0.444 | 0.581 | 1 | 0.57 \*\*\* |
| MM-P | mg P kg-1 | modified Morgan P (Young & Ross, 2016) | 0.909 | 2.27 | 3.81 | 10.7 | 5.25 | 215 |  |
| Alox | mg Al kg-1 | Al, acid ammonium oxalate (Courchesne & Turmel, 2007) | 489 | 1030 | 1480 | 1780 | 1960 | 5780 | -0.44 \*\* |
| Feox | mg Fe kg-1 | Fe, acid ammonium oxalate (see Alox above) | 794 | 2800 | 3690 | 4240 | 4890 | 15400 | -0.42 \*\* |
| Pox | mg P kg-1 | P, acid ammonium oxalate (see Alox above) | 67.3 | 428 | 537 | 572 | 702 | 1320 |  |
| [P:Fe]ox | mol/mol | (Pox / 31) / (Feox / 56) | 0.082 | 0.18 | 0.242 | 0.287 | 0.329 | 0.905 | 0.43 \*\* |
| PSRox | mol/mol | P Saturation Ratio (see Eqn. 1 in text) (Nair & Harris, 2004) | 0.051 | 0.105 | 0.129 | 0.148 | 0.163 | 0.402 | 0.48 \*\* |
| SPSCox | mg P kg-1 | Soil P Storage Capacity (see Eqn. 2 in text) (Nair & Harris, 2004) | -516 | 179 | 280 | 373 | 532 | 2220 | -0.51 \*\*\* |
| § Q1, Q2 and Q3 represent the 25%, 50% (median), and 75% percentile values of the data | | | | | | | | | |
| † *ρ* ~ FF = Spearman rank correlation rho (*ρ*) between variable x and farming frequency (FF) (significance codes: \*0.05 ≥ p > 0.01, \*\*0.01 ≥ p > 0.001, \*\*\*0.001 ≥ p) | | | | | | | | | |