Figure 5.

Schematic diagram illustrating the moisture sensitive zones for net methane fluxes at the ground surface in relation to soil moisture content in the top 10 cm of soil. Values above the 0 line represent net methane emission at the ground surface, while values below 0 indicate net methane uptake. Note that an increase in moisture content across range 1 and 3 will produce opposite responses in terms of the direction of net CH4 flux, as will a decrease. Range 2, by contrast, is in the broad moisture-insensitive zone of net CH4 uptake (methanotrophy) from atmosphere to soil.