Research about microscope sand countermeasure method and its effect as assessment method at watershed level

[Point]

Countermeasure method for effluent of microscope sand was studied with red soil runoff in Okinawa as a case study. The main production source of red soil is a pineapple farm field, but sufficient countermeasure has not been conducted because of aging of farmers and economical reasons. In this study, effective as well as economical countermeasure method was studied based on red soil production mechanism that was separately recognized. Furthermore, numeric analysis method that assessed the effect of the countermeasure method at watershed level was studied, and effect of studied countermeasure method was assessed.

Keywords: red soil, oversaturation layer, cutting multi, algae covering