

The impact of erosion control systems on soil losses in Perieni county

Gheorghe Purnavel, Daniela Dana, Eugen Filiche, Gabriel Petrovici, Ana Maria Dodocioiu, Romulus Mocanu, Iulia Anton

National Research-Development Institute for Soil Science, Romania

Buffer strips are a very important practice in preventing surface run-off and sediment entering watercourses. However, they are effective solution to reduce sediment pollution of water or the leaching of nutrients.

The paper presents the results obtained in long term studies and research carried out in Perieni, Plateau Bârlad, regarding to the structure and crop rotation on sloping land, culture systems and different measures to prevent and reduce erosion processes on sloping land: buffer strips; contour farming; strip cropping.

Using the buffer strip system, in the condition of Plateau Bârlad, the soil and water losses were reduced by 3 to 4 times compared with unprotected cultivated slope.

References

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