

The invention relates to the field of agriculture, in particular to processes for soil fertility increasing.

The process for increasing the eroded soils fertility includes introduction into the soil arable layer of comminuted plant remains, preliminarily inoculated with an association of microorganisms, consisting of bacteria strains: *Pseudomonas fluorescens* 3, *P. fluorescens* 18, *P. fluorescens* 34, *P. fluorescens* 63 and *Bacillus megaterium* 5, *B. megaterium* 15, *B. megaterium* 37, *B. megaterium* 73 taken in equal ratio, in the amount of 80...100 g of dry mass per hectare.

The result of the invention consists in accelerating the plant remains decay into the eroded soils.