

Kysymykset: Helvi Heinonen-Tanski

1. Suppose that you would be a sanitary officer in an African refugee camp of 10 000. You would have fresh surface water in a small lake and some agriculture for food production but no electricity and no regular transportation possibilities. Make a plan how to guarantee drinking water! 10 p
2. The milk contains 2 800 bacteria/ml (*Proteus* spp.) which is highly proteolytic and spoils the taste and structure of milk, if the bacterial number is more than 3 000 000 /ml. The doubling time for this bacterium is 2 h 15 min at the storage temperature of the milk. How long can the milk be stored? 6 p
3. The effects of too heavy use of nitrogen fertilizers on health of , , , human newborn babies. 6 p
4. How to control insect-spread diseases by microbiological treatments? 6.