Researches concerning the influence of watering method at lettuce cultivated in protected area

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The introduction of some economic methods of watering especially in protected and forced culture is necessary and it will contribue directly when it comes about economic use of mater.
Our researches were carried out in spring of this year (2004), in the solaria of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. The experiment was set up in six variants with three replications per variant, each variant having 21.6 m2. The variants differed by the watering methods (drip and microsprinkler irrigation) and by the moment of watering (at 60%, 70% and 80 % from activ humidity interval).
Despite the fact that variants watered by microsprinklers consumed more water, the production obtained on dripirrigated variants were significant higher than those obtained by microsprinklers. Also, for variants irrigated at 80 % of AHI, the results were higher than in the case of variants watered at 60 % of AHI. Results obtained, shows that lettuce production is influenced not only by watering method but also by the moment of watering application. In conclusion, for lettuce cultivated in protected areas, the best watering method is drip irrigation.