

## SUSFORM-NOW (LDC) News No. 16: **Effective sowing techniques for vegetables**

Kinds of vegetables, seasons, soil preparation, sowing techniques, taking cares and harvest are main elements in vegetable growing in which sowing techniques have strong affect to quantity and quality of seedlings then to the production. This news aims to provide villagers some sowing techniques that give high germination efficiency and some common factors that can give negative affects to germination rate and health of seedlings.

### **Some factors giving negative affects to germination rate, seedling health and productivity**



Sowing on using soils



Sowing on big soil sizes



Sowing on clay and husk



Too thick cover the seeds



Too dry soils after sowing

### **Standard sowing techniques for high germination rates**



**Sowing soil:** small size (2 mm diam.), clean – exposed under direct sunlight for several days, porous and suitable humidity.

**Sowing:** big size seeds should be sowed in separated holes that are 5 cm from each other. Small size seeds should be sowed in rows on sowing bed in order to get good seedlings. The soil cover layer should be thick 1-2 times of seed sizes.

**Humidity:** the humidity of the soil could be kept by available materials (bamboo, rice straw...). Remove newspaper or rice straw after germination.

**Transfer seedling:** the seedlings should be transferred into pots when they get 1-3 true leaves or into furrows when they get 5-7 true leaves. Suitable distances between seedlings should be calculated for each species in order to obtain high productivity.



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