The distribution of the codling moth, *Cydia pomonella* L., was investigated during 1974-1999 in southern Norway, using pheromone traps. The results from these investigations, as well as other confirmed records of the species, are given. It was found that the species is commonly distributed in eastern Norway up to Lillehammer, except on the eastern side of the lake Øyeren. The only record of the species in western Norway is from Sogndal. It was also found that the distribution of *C. pomonella* in Norway coincides with the mean July temperature of 14-16°C. Possibilities for further spread and establishment of the species in relation to the Norwegian climate and topography for both eastern and western Norway are discussed.

Key words: Codling moth, *Cydia pomonella*, Norway, distribution.

*May-Guri Sæthre & Torgeir Edland*, The Norwegian Crop Research Institute, Plant Protection Centre, Dep. of Entomology and Nematology, Høgskolevn. 7, 1432 Ås, Norway.

*Deceased.*