

## **P.58 - A survey of pesticide use and pest incidence in winter wheat and pomefruit**

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To assess the *status quo* of winter wheat and pomefruit diseases, insect pests and weeds, two surveys were conducted in five different regions of major European wheat and pomefruit growing areas. Regions were chosen in agreement with the case study winter wheat and pomefruit of RA1, to create synergies and to profit from each other's knowledge. Surveys were conducted in the following regions for winter wheat: Saxony Anhalt (D), Northwest of Paris (F), Emilia Romagna (IT), Wielkoposkie (PL) and Denmark (whole country) and for pomefruit: Lake of Constance (Swiss and German region), Rhône Valley (F), Emilia Romagna (IT) and Lleida (ES). Based on questionnaires, general and specific information was compiled for three different production systems concerning the production systems and the current use of pesticides as well as the occurrence of different pests. Our survey showed that there is a wide range of production guidelines in the different European regions, especially for winter wheat. In both crops organic production plays a minor role in the regions surveyed. In winter wheat fungi and herbicides are the prevalent pesticides; in pomefruit production the most used pesticides are fungi- and insecticides. Differences in pest incidence between the regions were noticeable for diseases and weeds in winter wheat and insects and weeds in pomefruit. Results of RA3.1 serve as a baseline to elucidate where control strategies could be improved and new strategies could contribute to a more sustainable production.