P.44 - Integrated plant protection and growing system in Slovak Republic

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In intensive fruit orchards in Slovak republic there is not in use an integrated and compact plant protection and a stress-free growing program, therefore it is necessary to create and implement such a system. This system will be called integrated plant protection and growing system (IPPGS). The feeded project reacts to demands of fruit growing farmers to create such a system. The main assumptions for successful introduction of IPPGS system into praxis are signalizations and prognoses. For the pests there will be utilized many monitoring systems and flying curve evaluations upon which the curative treatments will be applied. These advancements will be later put on use by next applied research in this filed and also directly in praxis. One of the outputs of the project will be a sophisticated flying course methodics of economically most important pests in dependence on climate indicators on specific agroclimatical location. For determination of insect invasion for other agroclimatical locations will be with the use of interpolation method to count an exact datum of invasion. Similarly it will be also by signalization of diseases. It will be necessary in detail to monitor the conditions whereby is the most significant disease pressure recorded and following regressive assignments of conditions amethodics, which utilize ause of computer in conjunction with automatic meteorological station (Davis Vantage Pro 2, Lufft Opus II), will be created. As an output will be a running software program. The main aim of the project is to create a complex methodical advancement of plant protection and stress-free growing system in Slovak republic for intensive large scale production of fruits.