Japanese pear (nashi) scab by *Venturia nashicola* is one of the most serious nashi diseases in Japan. To suppress fungal infections, fungicides are usually applied on a calendar-based spray schedule, more than 10 times during a growing season. Increasing environmental concerns make such frequent spraying unacceptable, and accurate timing of fewer fungicide applications has become more important. However, practical management data from each orchard are required to identify the best strategies to control nashi scab.

We propose a decision support system assisted by the Internet. *Farming Diary System* is designed to help farmers and extension staff make decisions about more effective timing of fungicide sprays.

**Farming Diary System** provides a user interface to input and retrieve records of farm management and plant growth status, using Internet-enabled mobile phones or PCs. All diary data are saved to a database server, implemented using Microsoft’s Web server and DBMS.

The system will shortly integrate with a knowledge base and simulation models for nashi disease control. Farmers can access it through the wireless network while working in their orchards, and immediately receive information to support their decision making for orchard management such as fungicide sprays.

- Nashi Disease Models: [http://riss.narc.affrc.go.jp/nashi/model.htm](http://riss.narc.affrc.go.jp/nashi/model.htm)