



**Scab risk periods for  
ornamental plants**

Close monitoring of weather conditions in the orchard and reference to Mills Period or Smith Period tables will provide a guide as to when periods of scab infection are either imminent or have already occurred and hence increased spray frequencies are required.

**Mills Period Table**

| Mean Temperature |      | Hours of wet conditions required for scab infection of various severity to develop |                    |                  |
|------------------|------|--|--------------------|------------------|
| °C               | (°F) | Light Infection  | Moderate Infection | Severe Infection |
| 6                | (43) | 30   | 40                 | 60               |
| 8                | (46) | 19   | 25                 | 38               |
| 10               | (50) | 14   | 19                 | 29               |
| 12               | (54) | 11   | 16                 | 24               |
| 14               | (57) | 10   | 14                 | 21               |
| 16               | (61) | 9  | 12                 | 19               |
| 18               | (64) | 9  | 12                 | 18               |

**Example:** If wet conditions prevail, at a mean temperature of 12°C (54°F) for 24 hours, then severe scab infection is probable.

**Smith Period Table**

Apple scab infections are likely to occur if any one of the following conditions apply:

| Rain -----  | Combined with temperature |    |                      |
|---|---------------------------|----|----------------------|
|   | At 0800hrs                | or | 1700hrs              |
| 1. Starts to fall during the day and still falling at 1700hrs                 |                           |    | 10°C (50°F) or above |
| 2. Starts to fall during the evening or night and leaves still wet at 0800hrs | 10°C (50°F) or above      |    |                      |
| 3. Falls continuously for 12 hours or more                                    | 8°C (46°F) or above       | or | 8°C (46°F) or above  |
| 4. Falls continuously for 24 hours or more                                    | 7°C (44°F) or above       | or | 7°C (44°F) or above  |
| 5. Falls continuously for 36 hours or more                                    | 2°C (36°F) or above       | or | 2°C (36°F) or above  |

**Use plant protection products safely. Always read the label and product information before use**

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The following products have either curative or protective qualities in respect of scab. For crops grown under protection, check that the product you have selected is approved for application on protected crops. Some EC (emulsifiable concentrate) products can cause foliar damage if used in hot or dry conditions. Spray programmes for scab control should include an eradicator and protectant product. Some products can be tank mixed but always check the label. Application rates should be adjusted according to the frequency of application.

| <b>Control product</b>  | <b>[F]ield<br/>[G]lass<br/>[E]radicator<br/>[P]rotectant</b> | <b>FRAC code</b> |
|-------------------------|--|------------------|
| Amistar*                | F/G <i>E/P</i>   | 11               |
| Captan 80 WDG*          | F <i>E/P</i>   | M4               |
| Dithane 945*            | F <i>E/P</i>   | M3               |
| Karamate Dry Flo Neotec | F/G <i>P</i>   | M3               |
| Reflect*                | F/G <i>E/P</i>   | 7                |
| Scala*                  | F/G <i>P</i>   | 9                |
| Sercadis*               | F/G <i>E/P</i>   | 7                |
| Signum*                 | F/G <i>E/P</i>   | 7+11             |
| Stroby WG               | F/G <i>E/P</i>   | 11               |
| Swift SC*               | F <i>E/P</i>   | 11               |
| Switch                  | F/G <i>E/P</i>   | 9+12             |
| Topas*                  | F <i>E/P</i>   | 3                |

**Plant subjects susceptible to scab**

Malus  
Pyrus  
Sorbus  
Crataegus  
Pyracantha  
Chaenomeles

\* = Extension of Authorisation (EAMU) required. Go to [www.pesticides.gov.uk](http://www.pesticides.gov.uk) to download EAMUs or contact the office for copies.

To reduce the risk of resistance, avoid using products in succession which have the same FRAC code.

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