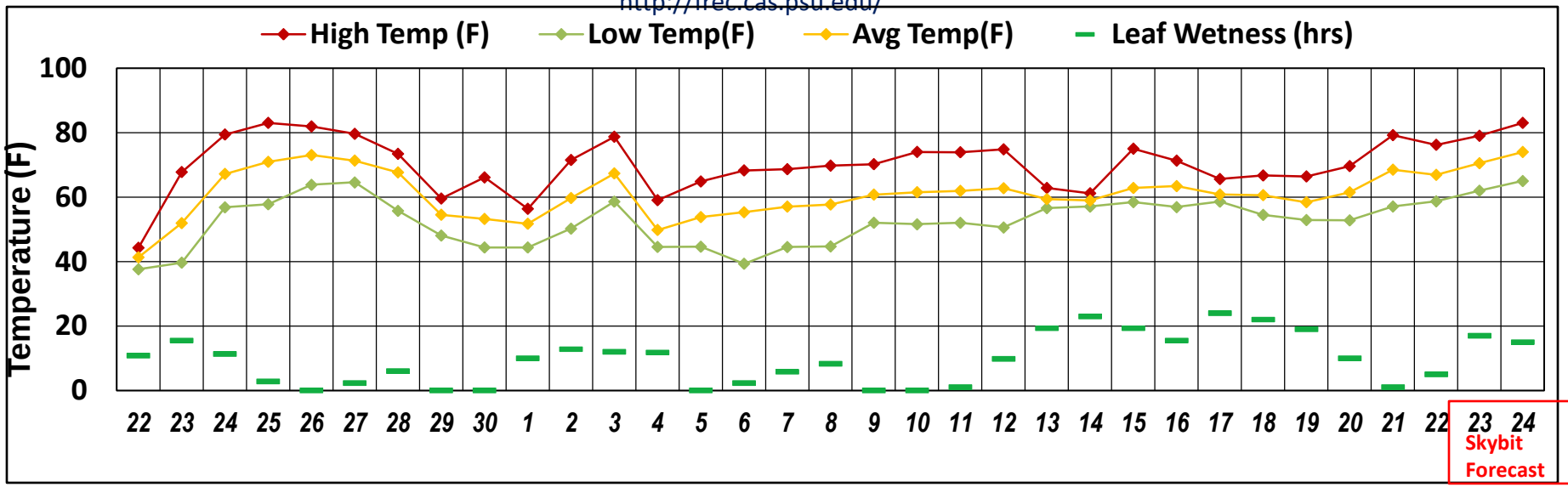
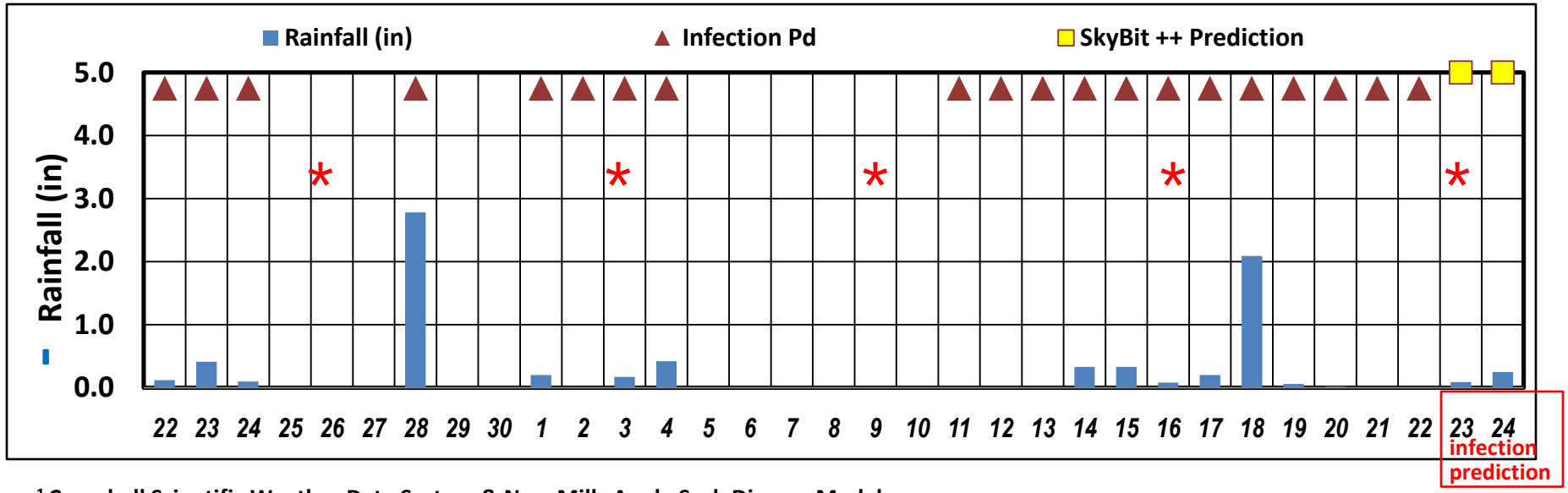
2011 Apple Scab Infection Periods 22 April to 22 May[1] and forecast/infection prediction through 24 May

Penn State – FREC, Biglerville, PA

http://frec.cas.psu.edu/





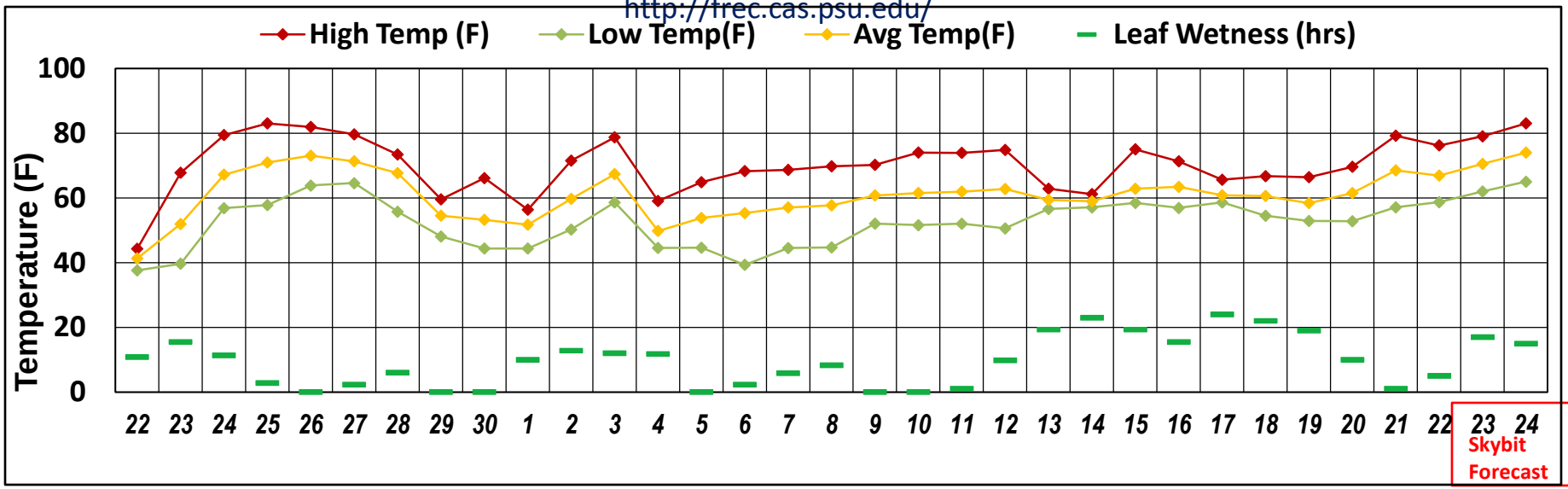
[1] Campbell Scientific Weather Data System & New Mills Apple Scab Disease Model..

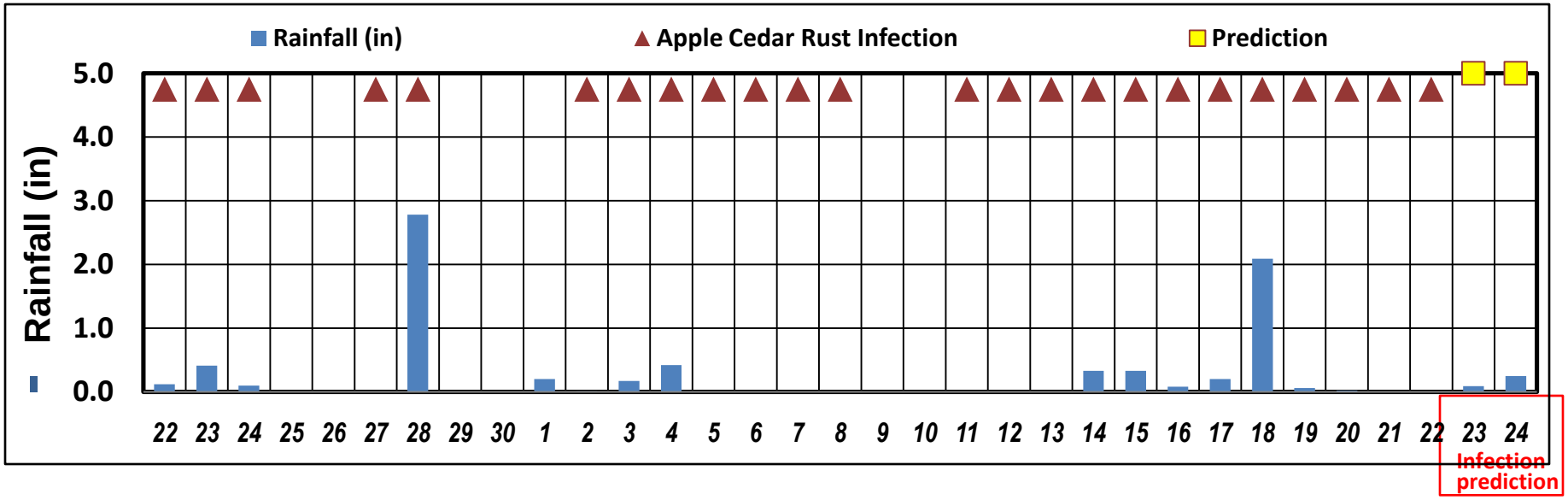
●forecast based on Skybit Ag E-Weather IPM Apple Disease Report., scab infection predicted. *First ascospore maturity 3-25-11. First Scab symptoms on May 1st (Rome Beauty).

2011 Apple Cedar Rust Infection Period 22 April- 22 May[1] and forecast/infection prediction through 24 May

Penn State-FREC, Biglerville, PA

http://frec.cas.psu.edu/



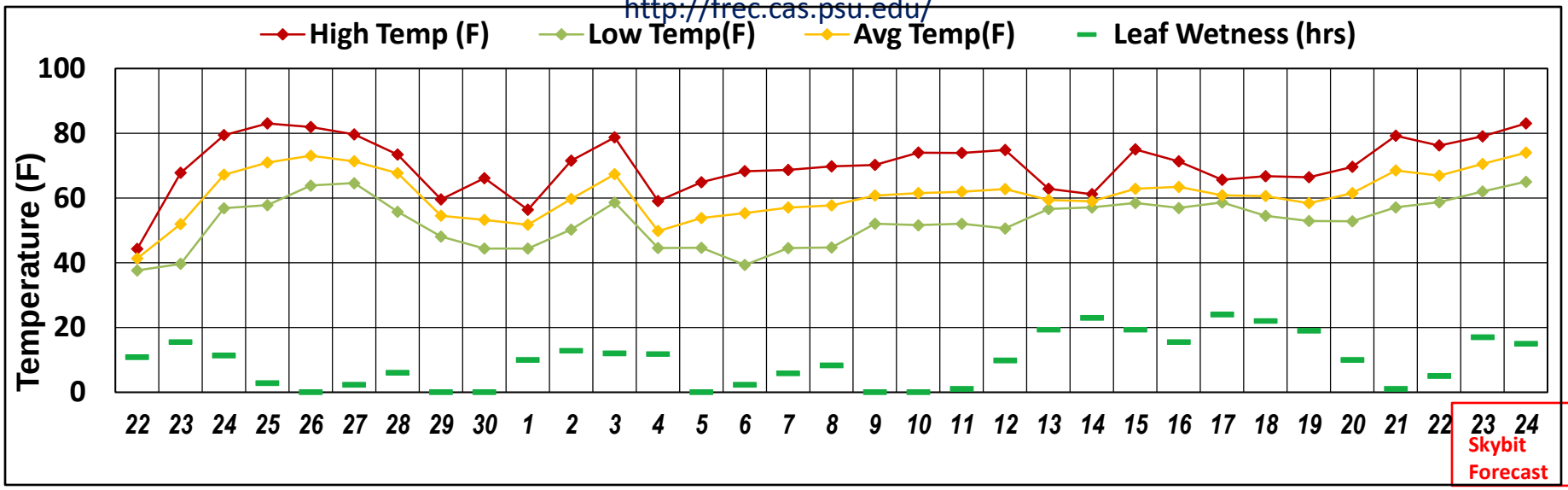


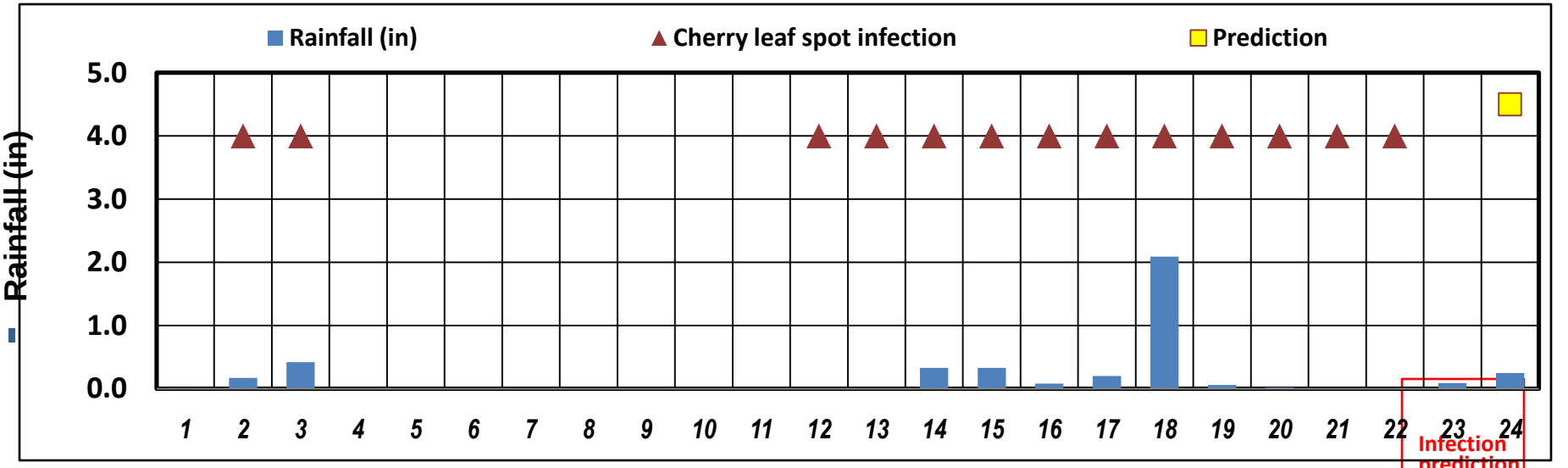
***Gymnosporangium juniperi-virginianae* overwinters on galls on the cedar tree. Wetting of galls initiates expansion of horns & production of basidiospores w/c are carried to apple trees. Basidiospores are produced w/in 4 hrs at 52-77 °F. Lesion begin to appear 10-14 da after infection. Low and Severe Risk of Cedar Rust infection. Infection model adapted from APS Compendium of Apple & Pear Diseases.**

2011 Cherry Leaf Spot Infection Period 1 May- 22 May[1] and weather forecast through 24 May

Penn State-FREC, Biglerville, PA

http://frec.cas.psu.edu/





* *Blumeriella jaapii* overwinters in diseased leaves on the ground. Ascospores are released from apothecia around bloom during wet periods. 60-68 ° F are favorable for disease development. Symptoms can occur in 5 days after infection. Low, Moderate, Severe risk. [1] Campbell Scientific Weather Data System & Eisensmith & Jones. Phytopathology 71: 728-732