

11. *Phyllosticta Dircae*, E. & D.

Can. Rec. Sci. 267. 1893.

On leaves of *Dirca palustris*, Canada, (Dearness.)

Spots subcircular, .5-1 cm. diam. sometimes confluent, subzonate, margin narrow and nearly black, the center becoming cinereous and soon falling out. Perithecia numerous, reddish, scattered over the entire spot, epiphyllous but visible below, only the apex erumpent, 60-100 μ diam. Sporules oblong-elliptical, hyaline, binucleate, 5-8 x 2.5-3 μ . Probably the spermogonial stage of *Sphaerella Dircae*, E. & E.

12. *Phyllosticta ivaecola*, E. & E.

J. Mycol. 2: 37. 1886.

On leaves of *Iva frutescens*, Louisiana (Langlois).

Spots amphigenous, small (1-2 mm.), whitening out, with a raised, narrow, brown border. Perithecia epiphyllous, punctiform (75-90 μ), lenticular, black. Sporules ovate, or oblong-elliptical, 4-5 x 1.5 μ .

13. *Phyllosticta arbutifolia*, E. & M.

J. M. 2: 129. 1886.

On living leaves of *Pyrus arbutifolia*, Newfield, N. J., Sept. 5th, 1885.

Spots epiphyllous, small (1 millim. or less), white, scarcely showing at all on the under side of the leaf. Perithecia mostly a single one in the center of the spot, subastomous, emergent, black, 70-80 μ in diam. Sporules subglobose, hyaline, 6-8 μ in the longest diam.

14. *Phyllosticta saccharina*, E. & M.

J. M. 2: 130. 1886.

On living leaves of *Acer saccharinum*, Missouri (Galloway.)