

# Cotton foliar leaf spot complex

## Observed with naked eye



*Stemphyllium*, *Cercospora*, and *Alternaria* leaf spots are associated with a foliar nutrient deficiency typically considered the “potash complex”.



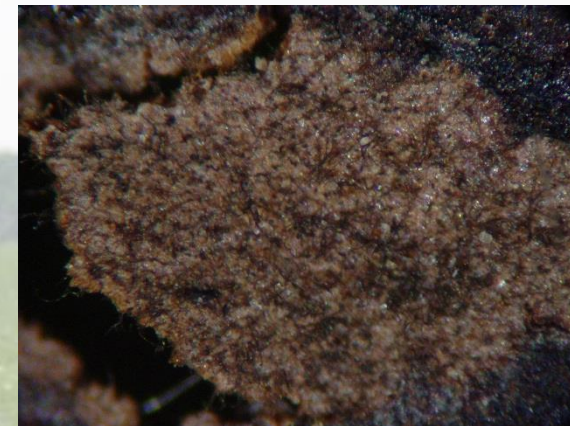
## Observed with hand lens



*Stemphyllium*, *Cercospora*, and *Alternaria* leaf spots produce smaller, more circular lesions without concentric rings, but surrounded by a purplish margin.



## Observed with microscope



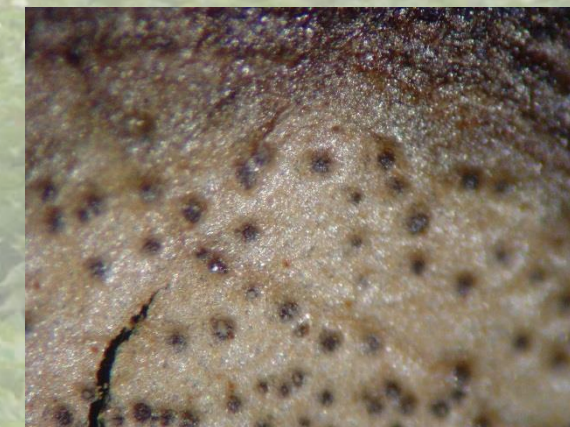
Note small “hairs” on leaf tissue surface, these are the reproductive structures of the Fungus, in this case *Stemphyllium*.



Target spot, generally associated with continuous cotton production.



Note concentric rings around outside of the lesion.



Note “pepper grains” embedded in leaf tissue, these are the reproductive structures of the fungus.