

Extension Disease Handbook

V2/3 samples



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Cercospora* sp. (leaf spot)
- *Phoma* sp. (leaf spot)



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Plectosphaerella cucumerina*
(Root Rot)



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Fusarium* sp. (head blight)
- *Cercospora* sp. (leaf spot)



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Cercospora* sp. (leaf spot)



Major Disease

- *Septoria glycines* (brown spot)
- *Xylariales* sp. (Taproot decline)

Minor Disease(s)

- *Phaeosphaeriaceae* sp.
- *Cercospora* sp. (leaf spot)



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Cercospora* sp. (leaf spot)



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Cercospora* sp. (leaf spot)

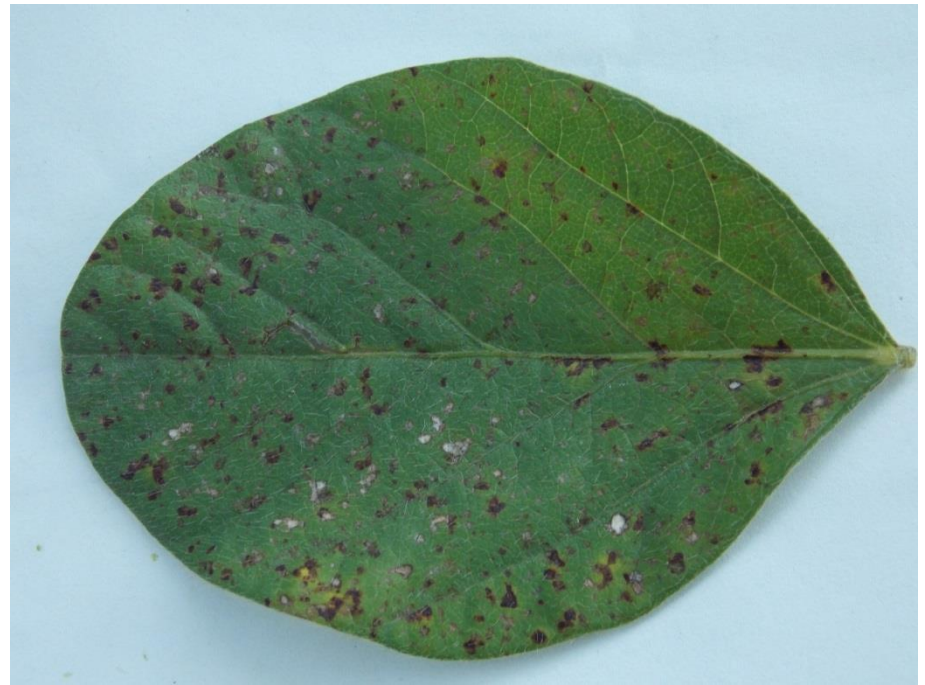


Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Cercospora* sp. (leaf spot)



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- N/A



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Leptosphaeria maculans* (black leg)
- *Venturia maculiformis*
- *Stemphylium* sp. (Stemphylium blight)

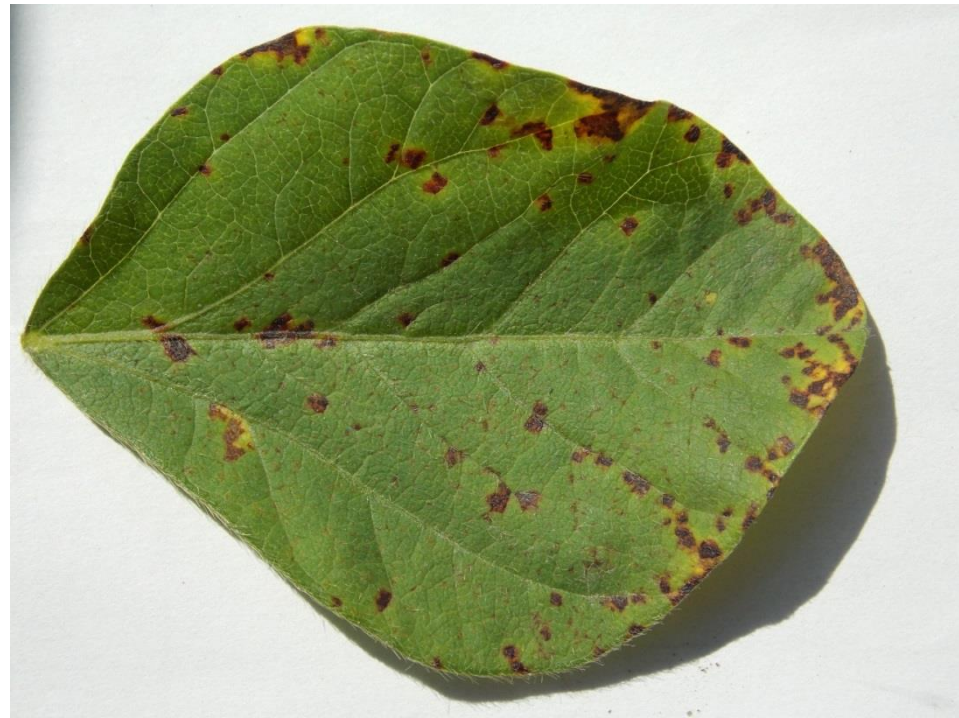


Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Cercospora* sp. (leaf spot)

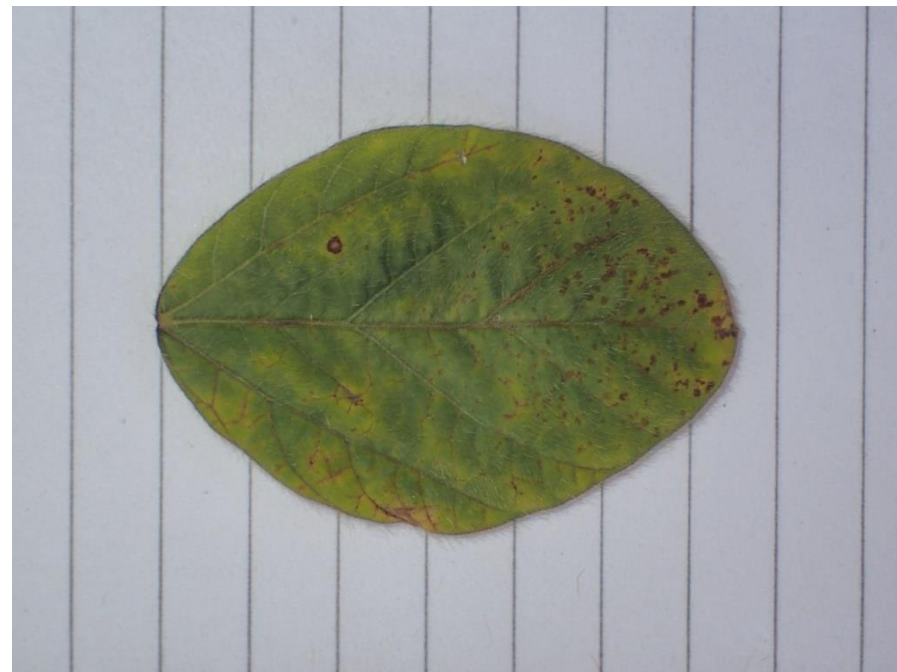


Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Leptosphaeria maculans* (black leg)
- *Venturia maculiformis*
- *Fusarium* sp. (head blight)
- *Stemphylium* sp. (Stemphylium blight)

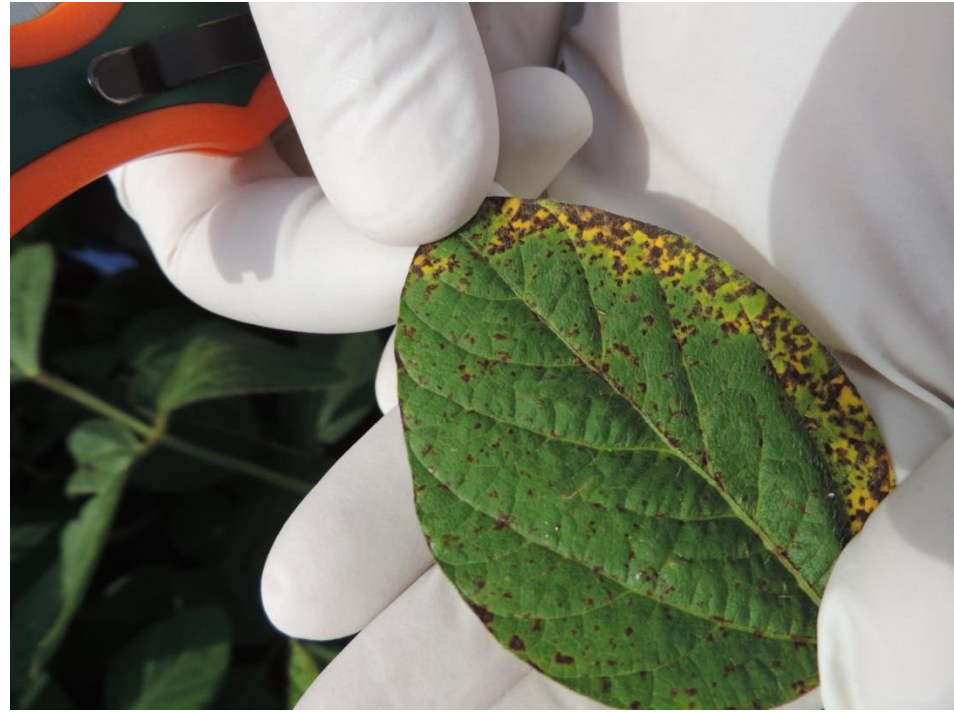


Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Cercospora* sp. (leaf spot)

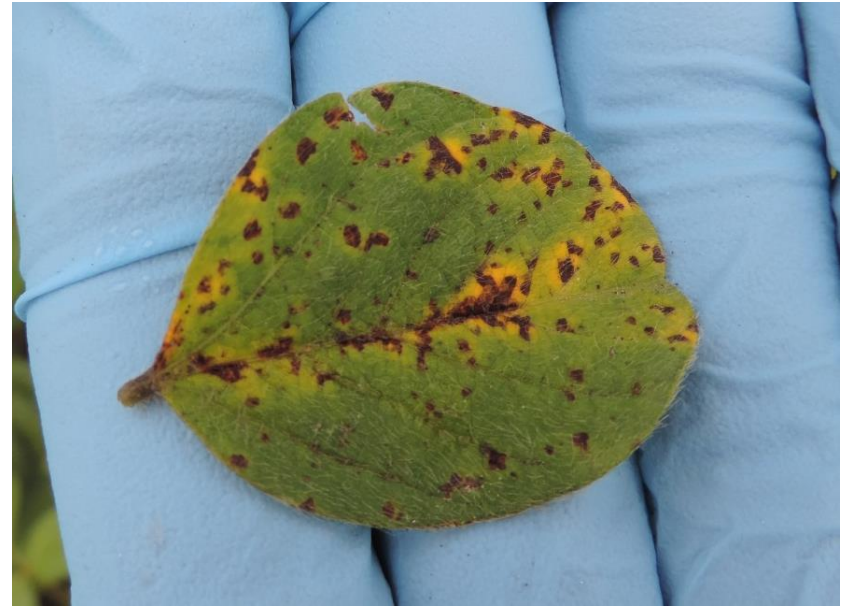


Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Cercospora* sp. (leaf spot)



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Cercospora* sp. (leaf spot)

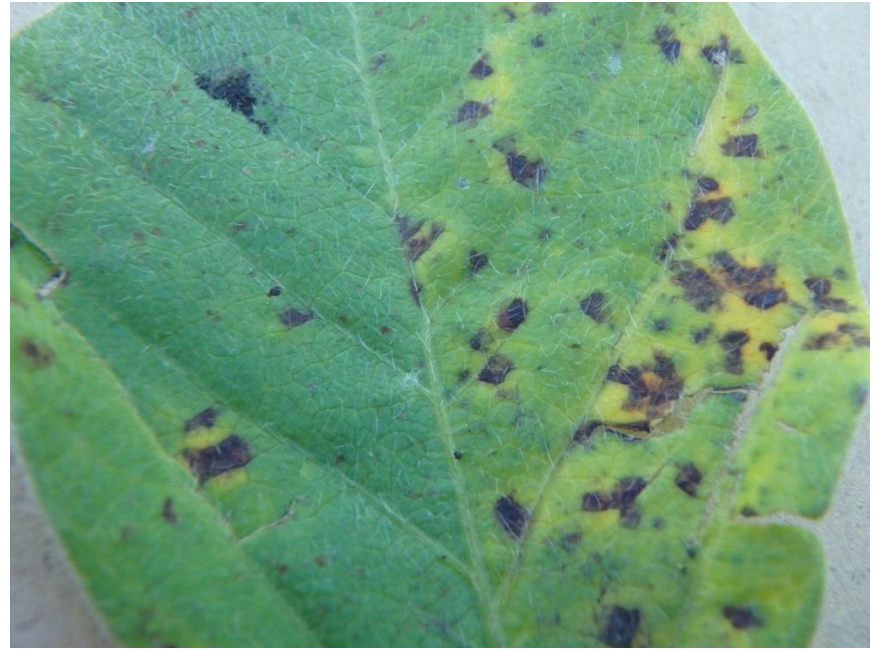


Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Cercospora* sp. (leaf spot)
- *Pseudomonas* sp. (Bacterial blight)



Major Disease

- *Septoria glycines* (brown spot)
- *Cladosporium perangustum* (?)
- *Stemphylium* sp. (Stemphylium blight)



Minor Disease(s)

Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Cercospora* sp. (leaf spot)

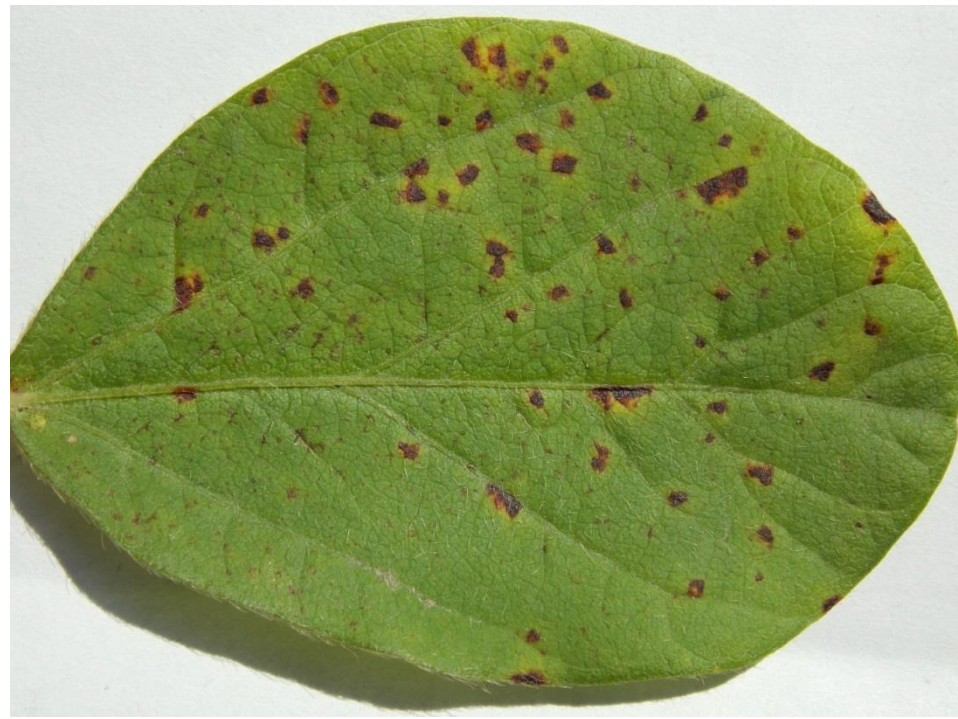


Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Cercospora* sp. (leaf spot)



Major Disease

- *Septoria glycines* (brown spot)
- *Xylariales* sp. (Taproot decline)



Minor Disease(s)

- *Stemphylium* sp. (Stemphylium blight)
- *Phaeosphaeriaceae* sp.
- *Alternaria* sp. (leaf spot)

Major Disease

- *Alfalfa mosaic virus*

Minor Disease(s)

- N/A



Major Disease

- *Alfalfa mosaic virus*
- *Alternaria* sp. (leaf spot)

Minor Disease(s)

- N/A



Major Disease

- *Alfalfa mosaic virus*



Minor Disease(s)

- *Itersonilia perplexans* (blight)
- *Phoma* Sp.
- *Cladosporium perangustum* (?)
- *Alternaria alternaria* (leaf spot)

Major Disease

- Bacterial blight (*Pseudomonas* sp.)
- *Phaeosphaeriaceae* sp.

Minor Disease(s)

- *Septoria glycines* (brown spot)
- *Leptosphaeria maculans* (black leg)
- *Phaeosphaeriaceae* sp.



Major Disease

- Bacterial blight (*Pseudomonas* sp.)
- Coniothyrium Sp.



Minor Disease(s)

- *Alternaria* sp (leaf spot)
- Coniothyrium Sp.

Major Disease

- *Pseudomonas* sp. (Bacterial blight)

Minor Disease(s)

- *Phaeosphaeriaceae* sp.
- *Alternaria* sp.(leaf spot)
- *Epicoccum nigrum*
- *Stemphylium* sp. (Stemphylium blight)

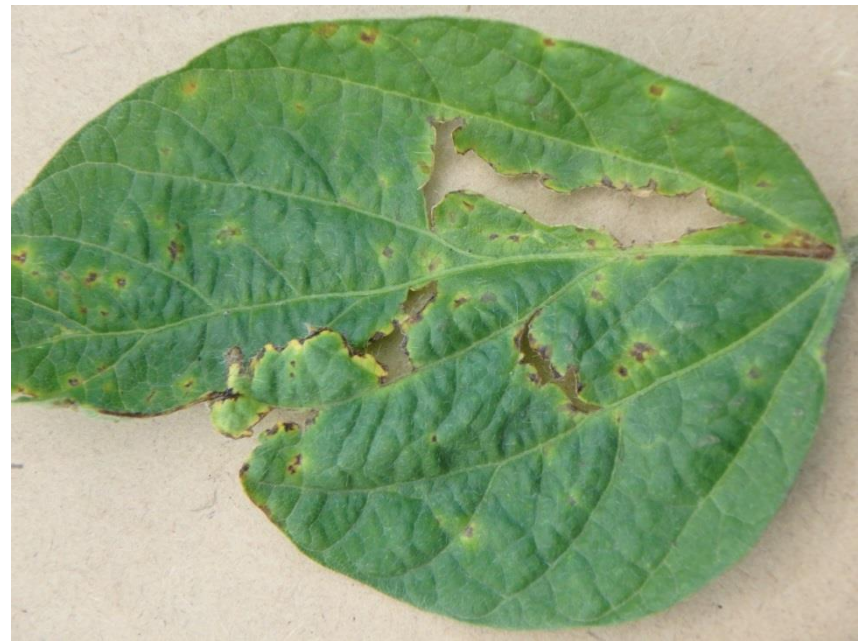


Major Disease

- *Pseudomonas* sp. (Bacterial blight)

Minor Disease(s)

- *Phaeosphaeriaceae* sp.
- *Xanthomonadales* (bacterial pustule)



Major Disease

- *Phaeosphaeriaceae* Sp.

Minor Disease(s)

- *Sphingomonas* sp (brown spots)
- Bacterial blight (*Pseudomonas* sp.)



Major Disease

- *Phaeosphaeriaceae* sp.

Minor Disease(s)

- *Cladosporium perangustum*
(?)



Major Disease

- *Phaeosphaeriaceae* sp.

Minor Disease(s)

- *Stemphylium* sp. (Stemphylium blight)
- *Phoma* sp. (leaf spot)



Major Disease

- *Phaeosphaeriaceae* sp.

Minor Disease(s)

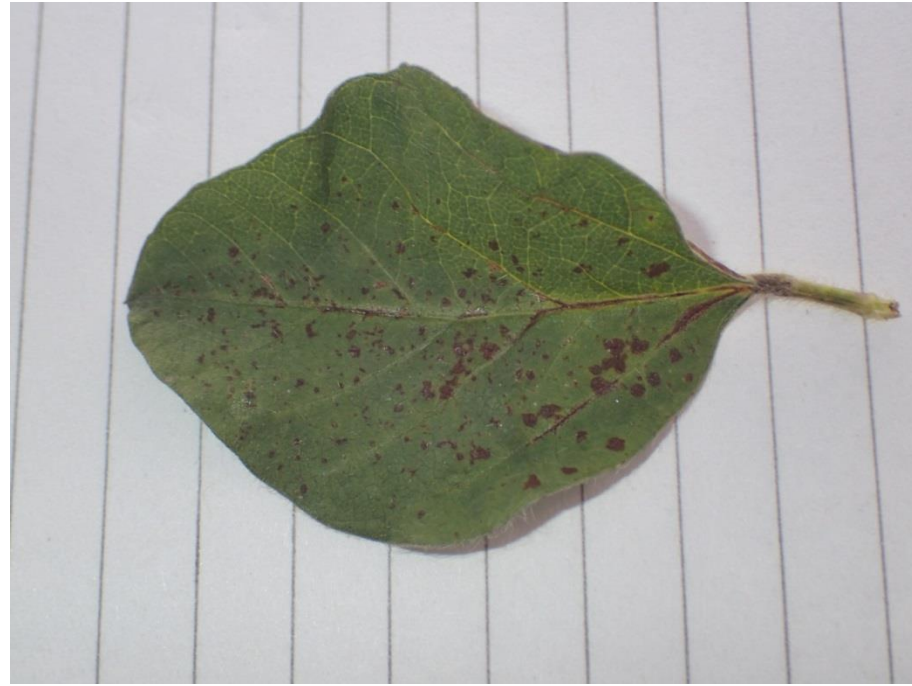


Major Disease

- *Stemphylium* sp. (Stemphylium blight)

Minor Disease(s)

- *Septoria glycines* (brown spot)
- *Venturia maculiformis*
- *Phaeosphaeriaceae* sp.



Major Disease

- *Stemphylium* sp. (Stemphylium blight)

Minor Disease(s)

- *Cladosporium perangustum* (?)
- *Septoria glycines* (brown spot)



Major Disease

- *Stemphylium* sp. (Stemphylium blight)

Minor Disease(s)

- *Fusarium* sp. (head blight)
- Bacterial blight (*Pseudomonas* sp.)
- *Alternaria* sp (leaf spot)



Major Disease

- *Alternaria infectoria* (leaf spot?)
- *Phaeosphaeriaceae* sp.
- *Cladosporium perangustum* (?)

Minor Disease(s)

- *Pseudomonas* sp. (Bacterial blight)



Major Disease

- *Leptosphaeriaceae* Sp. (black leg)
- *Phoma* Sp. (leaf spot)

Minor Disease(s)

- *Septoria glycines* (brown spot)
- *Alternaria* sp (leaf spot)
- *Phaeosphaeriaceae* Sp.



Major Disease

- *Stemphylium* sp. (Stemphylium blight)
- *Acremonium* Sp. (leaf desiccation)



Minor Disease(s)

- *Alternaria* sp (leaf spot)
- *Acremonium* Sp. (leaf dessication)

Major Disease

- *Cladosporium perangustum* (?)
- *Itersonilia perplexans* (blight)

Minor Disease(s)

- *Stemphylium* sp. (Stemphylium blight)



Major Disease

- N/A

Minor Disease(s)

- *Phaeosphaeriaceae* sp.



Major Disease

- N/A

Minor Disease(s)

- N/A



Major Disease

- N/A

Minor Disease(s)

- *Helotiales* sp. (?)



Major Disease

- N/A

Minor Disease(s)

- *Phaeosphaeriaceae* sp.
- *Venturia maculiformis*

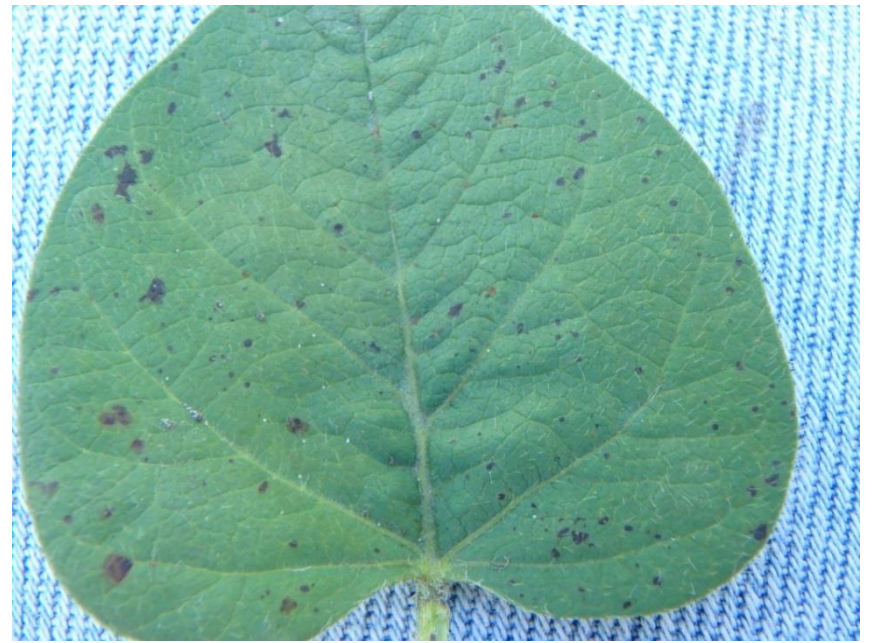


Major Disease

- N/A

Minor Disease(s)

- *Stemphylium* sp. (Stemphylium blight)



Extension Disease Handbook

R6 samples



Major Disease

- *Peronosporaceae* (Downy mildew)

Minor Disease(s)

- *Septoria glycines* (brown spot)
- *Alternaria* sp. (leaf spot)



Major Disease

- *Peronosporaceae* (Downy mildew)



Minor Disease(s)

- *Alternaria* sp. (leaf spot)
- *Pseudomonas* sp. (Bacterial blight)

Major Disease

- *Peronosporaceae* (Downy mildew)

Minor Disease(s)

- N/A



Major Disease

- *Peronosporaceae* (Downy mildew)

Minor Disease(s)

- *Alternaria* sp. (leaf spot)
- *Stemphylium* sp (Stemphylium blight)



Major Disease

- *Peronosporaceae* (Downy mildew)



Minor Disease(s)

- *Phoma* sp. (leaf spots)

Major Disease

- *Peronosporaceae* (Downy mildew)
- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Sphingomonas* sp (brown spots)

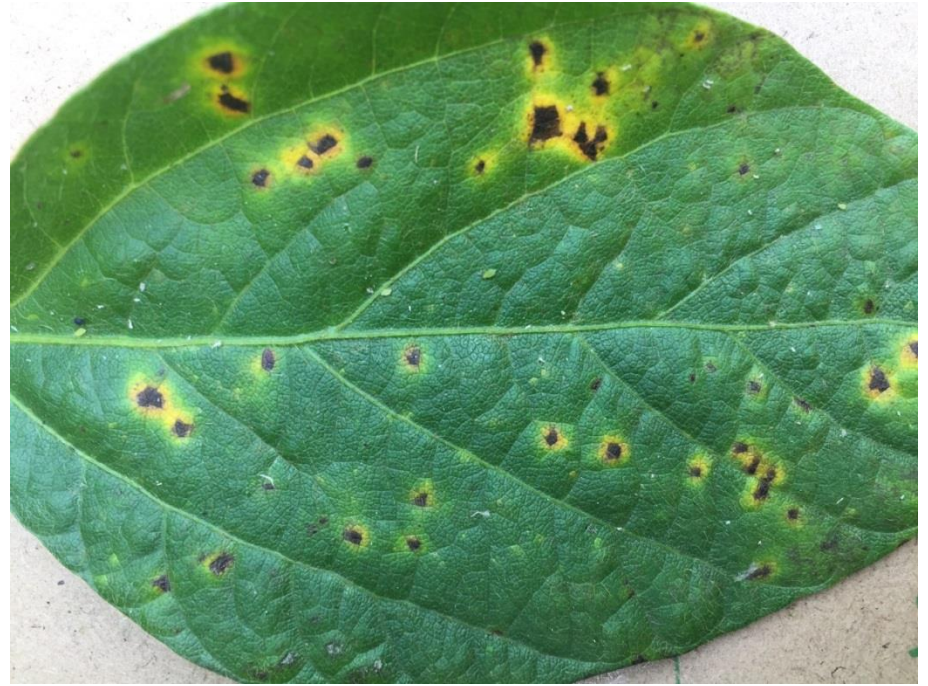


Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Alternaria* sp. (leaf spot)
- *Sphingomonas* sp (brown spots)



Major Disease

- *Septoria glycines* (brown spot)

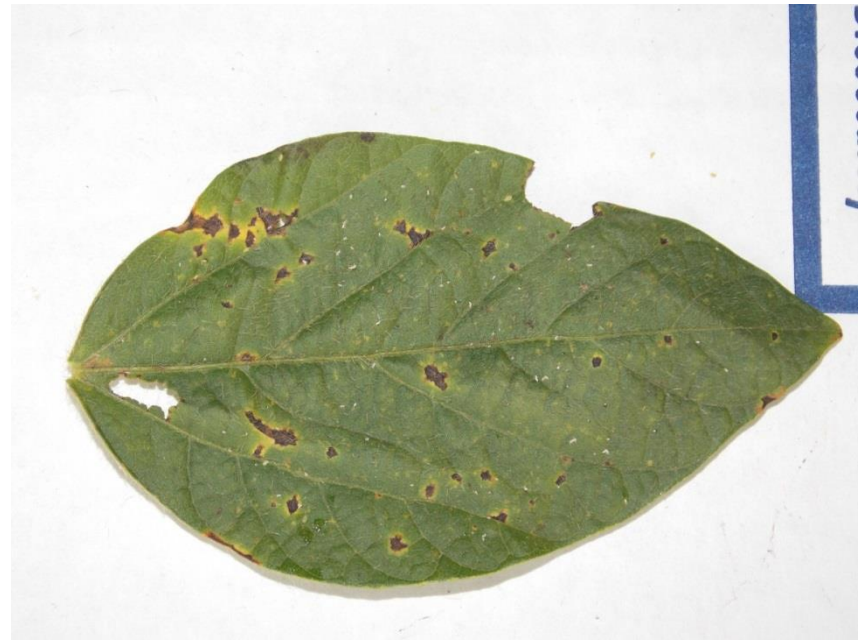
Minor Disease(s)

- *Sphingomonas* sp (brown spots)
- *Alternaria* sp. (leaf spot)



Major Disease

- *Septoria glycines* (brown spot)



Minor Disease(s)

- *Sphingomonas* sp (brown spots)
- *Pseudomonas* sp. (Bacterial blight)

Major Disease

- *Septoria glycines* (brown spot)



Minor Disease(s)

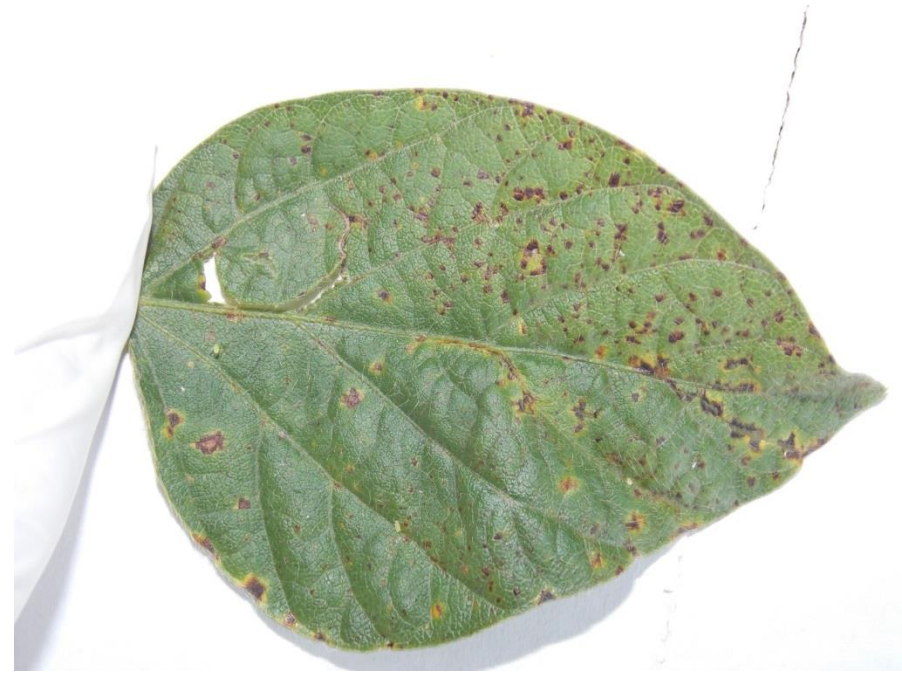
- *Cercospora* sp. (leaf spot)
- *Sphingomonas* sp (brown spots)
- *Epicoccum nigrum*

Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Pseudomonas* sp. (Bacterial blight)
- *Alternaria* sp. (leaf spot)



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Phoma* sp. (leaf spots)
- *Sphingomonas* sp (brown spots)
- *Pseudomonas* sp. (Bacterial blight)



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Sphingomonas* sp (brown spots)



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Sphingomonas* sp (brown spots)
- *Alternaria* sp. (leaf spot)
- *Cladosporium perangustum* (?)



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Sphingomonas* sp (brown spots)
- *Alternaria* sp. (leaf spot)



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- N/A



Major Disease

- *Septoria glycines* (brown spot)

Minor Disease(s)

- *Phoma* sp. (leaf spots)
- *Cercospora* sp. (leaf spot)
- *Alternaria* sp. (leaf spot)



Major Disease

- *Septoria glycines* (brown spot)

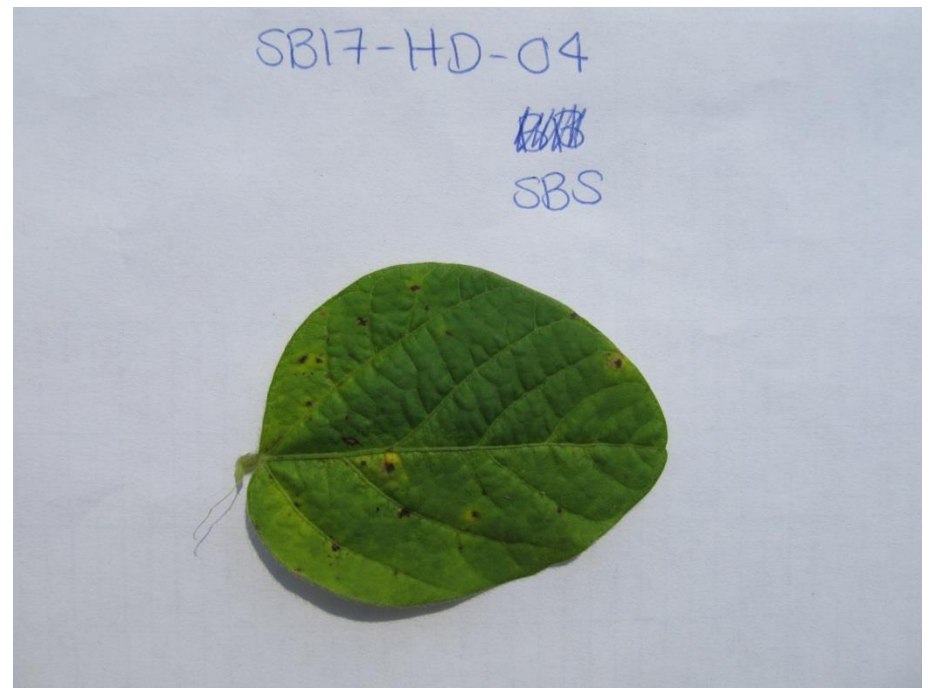
Minor Disease(s)

- *Sphingomonas* sp (brown spots)



Major Disease

- *Septoria glycines* (brown spot)



Minor Disease(s)

- *Stemphylium* sp (Stemphylium blight)
- *Pseudomonas* sp. (Bacterial blight)
- *Alternaria* sp (leaf spot)

Major Disease

- *Pseudomonas* sp. (Bacterial blight)



Minor Disease(s)

- *Fusarium* sp. (head blight)
- *Alternaria* sp. (leaf spot)

Major Disease

- *Pseudomonas* sp. (Bacterial blight)



Minor Disease(s)

- *Alternaria* sp. (leaf spot)
- *Epicoccum nigrum*

Major Disease

- *Pseudomonas* sp (Bacterial blight)

Minor Disease(s)

- *Alternaria* sp (leaf spot)



Major Disease

- *Pseudomonas* sp. (Bacterial blight)



Minor Disease(s)

- *Cladosporium perangustum* (?)
- *Alternaria* sp (leaf spot)

Major Disease

- *Pseudomonas* sp (Bacterial blight)



Minor Disease(s)

- *Cladosporium perangustum* (?)
- *Alternaria* sp. (leaf spot)

Major Disease

- *Epicoccum* sp.

Minor Disease(s)

- *Alternaria* sp. (leaf spot)
- *Stemphylium* sp. (Stemphylium blight)



Major Disease

- *Cercospora* sp. (leaf spot)

Minor Disease(s)

- *Epicoccum nigrum*



Major Disease

- *Alternaria* sp. (leaf spot)

Minor Disease(s)

- *Septoria glycines* (brown spot)



Major Disease

- *Alternaria* sp. (leaf spot)

Minor Disease(s)

- *Cladosporium perangustum* (?)



Major Disease

- *Alternaria* sp. (leaf spot)



Minor Disease(s)

- *Pseudomonas* sp (Bacterial blight)

Major Disease

- *Alternaria* sp (leaf spot)



Minor Disease(s)

Major Disease

- *Alternaria* sp. (leaf spot)



Minor Disease(s)

- Stemphylium sp (Stemphylium blight)
- *Sphingomonas* sp (brown spots)

Major Disease

- *Alternaria* sp. (leaf spot)

Minor Disease(s)

- *Cladosporium perangustum* (?)



Major Disease

- *Stagonosporopsis* sp (leaf spots)

Minor Disease(s)

- N/A



Major Disease

- *Pleosporales* sp (?)



Minor Disease(s)

- *Cladosporium perangustum* (?)
- *Alternaria* sp. (leaf spot)

Major Disease

- *Pleosporales* sp (?)



Minor Disease(s)

- *Dothideomycetes* sp (?)
- *Alternaria* sp (leaf spot)

Major Disease

- *Pleosporales* sp (?)

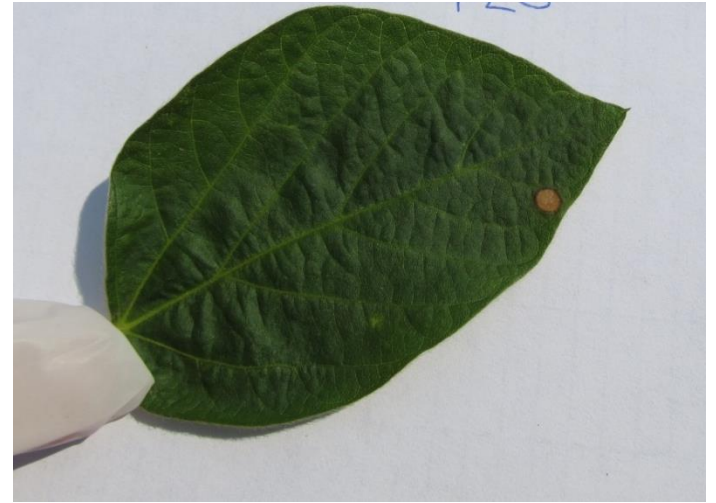
Minor Disease(s)

- *Alternaria* sp (leaf spot)
- *Stemphylium* sp (Stemphylium blight)



Major Disease

- *Stemphylium* sp (Stemphylium blight)



Minor Disease(s)

- *Alternaria* sp (leaf spot)

Major Disease

- *Alfalfa mosaic virus*

Minor Disease(s)

- *Alternaria* sp. (leaf spot)



Major Disease

- N/A

Minor Disease(s)

- *Pseudomonas* sp. (Bacterial blight)
- *Alternaria* sp. (leaf spot)



Major Disease

- N/A

Minor Disease(s)

- *Alternaria* sp. (leaf spot)
- *Pseudomonas* sp. (Bacterial blight)
- *Sphingomonas* sp (brown spots)



Major Disease

- N/A

Minor Disease(s)

- *Alternaria* sp. (leaf spot)
- *Epicoccum nigrum*
- *Pseudomonas* sp. (Bacterial blight)



Major Disease

- N/A

Minor Disease(s)

- *Sphingomonas* sp (brown spots)
- *Alternaria* sp. (leaf spot)



Major Disease

- N/A

Minor Disease(s)

- *Cladosporium perangustum* (?)
- *Septoria glycines* (brown spot)
- *Alternaria* sp. (leaf spot)



Major Disease

- N/A

Minor Disease(s)

- *Cladosporium perangustum* (?)
- *Alternaria* sp. (leaf spot)
- *Sphingomonas* sp (brown spots)

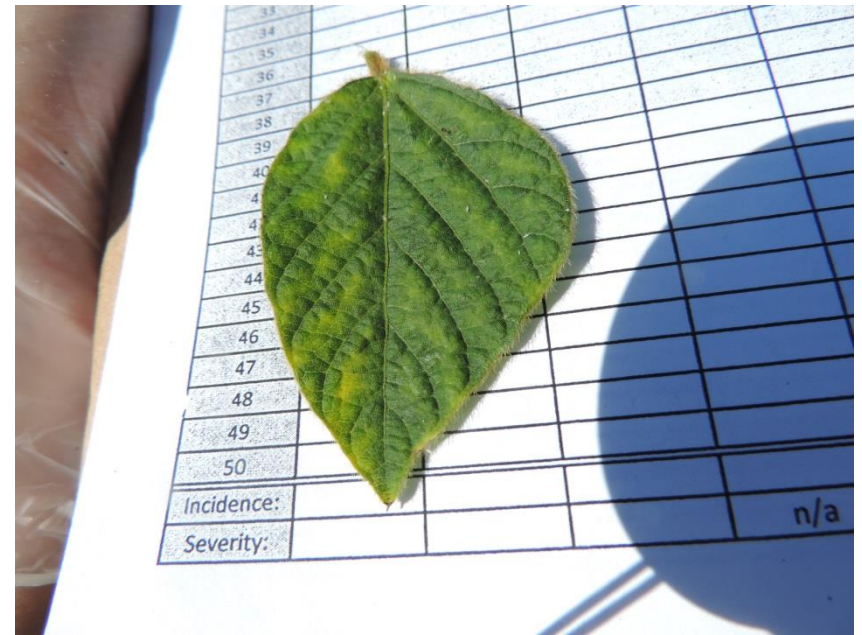


Major Disease

- N/A

Minor Disease(s)

- *Septoria glycines* (brown spot)
- *Pseudomonas* sp (Bacterial blight)
- *Sphingomonas* sp (brown spots)



Major Disease

- N/A

Minor Disease(s)

- *Alternaria* sp. (leaf spot)
- *Cladosporium perangustum* (?)



Major Disease

- N/A

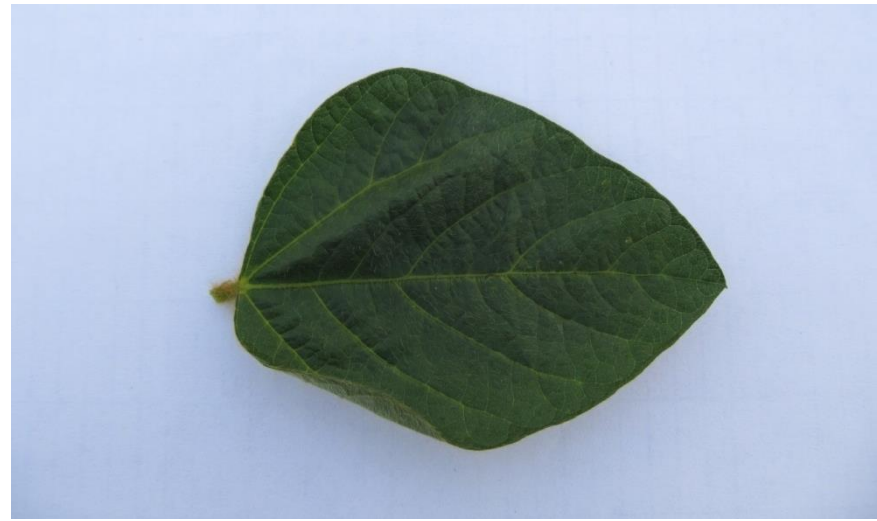
Minor Disease(s)

- *Stemphylium* sp (Stemphylium blight)
- *Pseudomonas* sp (Bacterial blight)
- *Alternaria* sp. (leaf spot)



Major Disease

- N/A



Minor Disease(s)

- *Alternaria* sp (leaf spot)

Major Disease

- N/A



Minor Disease(s)

- *Alternaria* sp (leaf spot)

Major Disease

- N/A

Minor Disease(s)

- *Alternaria* sp (leaf spot)
- *Stemphylium* sp (Stemphylium blight)



Major Disease

- N/A

Minor Disease(s)

- N/A

