

- Affects mid-to-upper leaves.
- Angular lesions, reddishbrown to black centers.
- Initial angular water soaked lesions with vellow halo.



Water soaking; angular lesions; lesions on leaf underside are not raised.



BACTERIAI

- Affects mid-to-upper leaves.
- Lesions small spots to large irregular shapes without water soaking.
- Lesions associate with main veins; pustules form in lesion centers on leaf underside. (10X)

Difference from Soybean Rust:

Pustules not always with each lesion; pustules do not have spores in openings; openings are cracks instead of



- Affects upper leaves.
- Spots on surface enlarge into yellow lesions.
- Older lesions turn brown with yellow-green margins; size varies with age of leaf affected.
- Fuzzy fungal gray tufts on leaf underside (20x).

Difference from Soybean Rust:

Lesions larger than rust lesions; no raised pustules on underside; fuzzy fungal growth on underside.





SIMILAR LOOKING DISEASES

CERCOSPORA BLIGHT AND FROGEYE LEAF SPOT

- Blight affects upper leaves exposed to sun after seed set; Frogeye affects lower leaves first.
- Blight starts as light purple areas on upper leaf surface which expands to cover surface; leaves leathery and dark reddish purple on upper surface only.
- Frogeye lesions start as dark, water-soaked spots; can have light centers; circular to angular

brown spots with dark red-brown margins.





Difference from Soybean Rust: Blight surface only. Frogeye — discrete lesions larger than rust with defined lesion

- Affects lower leaves first.
- Irregular-shaped dark brown lesions on both leaf surfaces; size — small spots to large areas; adjacent lesions can form irregular shaped blotches.
- Infected leaves quickly yellow and drop.





Difference from Soybean Rust: No raised areas (on leaf) underside; angular lesions; if dark lesions, lack of uredia is key symptom; first symptoms can look like rust; has same canopy distribution as rust.