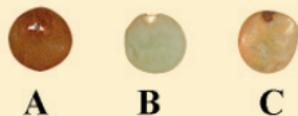




LENTILS
VISUAL
REFERENCE
IMAGES

LEN-1.0 INSECT-STUNG DAMAGE



Portion for Analysis: Approximately 125 grams (large seeded) or
Approximately 60 grams (small seeded)

Lentils that have been stung by insects where the damage extends into the cotyledons and is of a size equal to or greater than that shown.

- A. (Left) Insect damage, confirmed.
- B. (Middle) Chalky-spot, confirmed.
- C. (Right) Chalky spot, suspect.

NOTE: For C, above, carefully remove the seed coat from the suspected area and compare it to the size of the spot in B.

LEN-1.1 BLIGHT (ASCOCHYTA) DAMAGE



Portion for Analysis: Approximately 125 grams (large seeded) or
Approximately 60 grams (small seeded)

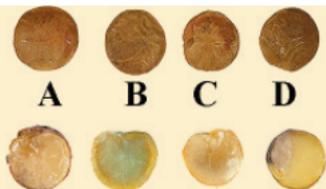
Ascochyta blight is a fungal disease that reduces yields and affects seed quality. Infected seeds have brown blotches on the surface. Severely infected seed is purplish brown, shriveled and small, and may have a white fungal growth on the surface. This print depicts what Ascochyta blight looks like and is not intended to represent any minimum coverage or color intensity requirement.

Illustration shows from left to right:

Confirmed Damage: Cotyledon shows some discoloration and mold is evident in the lower central portion of the exposed area. Any amount of mold present on the cotyledon is sufficient evidence of damage.

Suspect Damage: Discolored seed coat. Seed coats of suspect seeds must be scraped to determine if the mold penetrates into the cotyledon.

LEN-1.2 FROST DAMAGE



Portion for Analysis: Approximately 125 grams (large seeded) or
Approximately 60 grams (small seeded)

Lentils that have been damaged by frost to the extent that the cotyledon or the seed coat has been discolored equal to or greater than that shown.

A, B and C (top row) - suspect frost damage. Lentil D (top row) is confirmed frost. There is no need to split lentil to confirm damage.

A, B, C, and D (bottom row). The cotyledons are split, showing the different kinds of discoloration that are considered frost damage.

LEN-1.3 HEAT DAMAGE



Portion for Analysis: Approximately 125 grams (large seeded) or
Approximately 60 grams (small seeded)

Lentils which have been materially damaged to an extent that the cotyledon has been discolored equal to or greater than shown.

Illustrated:

- A. Seed coat on (suspect).
- B. Seed coat removed (confirmed).

LEN-1.4 DAMAGED BY HEAT



Portion for Analysis: Approximately 125 grams (large seeded) or
Approximately 60 grams (small seeded)

Lentils which have been damaged to an extent that the cotyledon has been discolored equal to or greater than shown.

Illustrated:

- A. Seed coat on (suspect).
- B. Seed coat removed (confirmed).

LEN-1.5 MOLD DAMAGE



Portion for Analysis: Approximately 125 grams (large seeded) or
Approximately 60 grams (small seeded)

Lentils that contain surface mold equal to or greater than shown.

NOTE: Any amount of mold on the cotyledon is damage.

LEN-1.6 SPROUT DAMAGE



Portion for Analysis: Approximately 125 grams (large seeded) or
Approximately 60 grams (small seeded)

Lentils which are sprouted equal to or greater than shown.

LEN-1.7 SKINNED



Portion for Analysis: Approximately 125 grams (large seeded) or
Approximately 60 grams (small seeded)

Lentils from which three-fourths or more of the seed coat has been removed.

NOTE: Both sides of the lentil are illustrated on the print. This is not considered damage.

LEN-1.8 DIRT /GRIME



Portion for Analysis: Approximately 125 grams (large seeded) or
Approximately 60 grams (small seeded)

Illustration shows from left to right:

Dirt: Lentils and pieces of lentils with dirt adhering to one or both sides of the seed coat equal to or greater than shown are damage.

Grime: Lentils and pieces of lentils with grime adhering to one or both sides of the seed coat equal to or greater than shown are damage.