



OATS
VISUAL
REFERENCE
IMAGES

O-1.0 BADLY GROUND AND/ OR WEATHER DAMAGE



Portion for Analysis: Approximately 30 grams

Kernels which are badly discolored by ground and/or weather condition. The discoloration must appear on both sides of the kernel equal to or greater than shown to be considered damage.

NOTE: Such kernels are not “sound cultivated oats”.

O-1.1 WEATHER DAMAGED (STAINED)



Portion for Analysis: Approximately 30 grams

Processing discolored (stained) oats reduce rolled oat yields and may result in a less than desirable flake color, depending on its severity. Oat groats having a dark brown/black discoloration on the surface meeting the minimum coverage and intensity as shown are considered damaged.

Illustration shows from left to right:

- A. Suspect Oat: Slightly discolored hulls indicate possible damage. The hull must be removed to confirm the presence and extent of discoloration.

- B. Confirmed Damage: Illustrates the minimum coverage and intensity requirement

O-2.0 GERM DAMAGE (SICK AND/OR MOLD)



Portion for Analysis: Approximately 30 grams

Kernels in which the germ is discolored or moldy as a result of respiration.

Illustration shows from left to right:

Kernel 1: Kernels and pieces of oats that have discolored germs as dark or darker than shown shall be damaged.

NOTE: Discolored germs that do not meet the minimum coverage requirement may be considered damage provided the degree of discoloration is greater than shown and the overall “prorated” appearance meets the minimum coverage and intensity level depicted.

Kernel 2: Kernels containing any amount of mold shall be damage.

NOTE: Hull must be removed to determine extent of damage to germ. Such damaged kernels are not “sound cultivated oats”.

O-2.1 MOLD DAMGE



Portion for Analysis: Approximately 30 grams

Kernels in which mold has penetrated the hull leaving a grayish discoloration on the groat to the minimum coverage and intensity as shown are considered damaged.

NOTE: Hull must be removed to determine extent of damage. Such damaged kernels are not “sound cultivated oats”.

O-3.0 HEAT DAMAGE



Portion for Analysis: Approximately 30 grams

Kernels which are materially damaged as a result of heating and which show a reddish discoloration extending back from the germ equal to or greater than shown shall be considered heat damage.

NOTE: Hulls must be removed to determine extent of heat damage.

O-4.0 INSECT DAMAGE



Portion for Analysis: Approximately 30 grams

Kernels which have been bored or tunneled by insects.

NOTE: Such kernels are not “sound cultivated oats”.

O-5.0 SPROUT DAMAGE



Portion for Analysis: Approximately 30 grams

Kernels which have sprouted or generally have a crack in the seed coat over the germ area.

NOTE: Hull must be removed to determine if cracked seed coat indicates sprouting. Such damaged kernels are not “sound cultivated oats”.