

**THE VISUAL AIDS ON THE FOLLOWING  
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**TO PURCHASE OFFICIAL VISUAL AIDS PLEASE CONTACT  
THE SPECIALTY CROPS INSPECTION DIVISION'S  
EQUIPMENT AND FORMS DEPOT**

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**[EQUIPMENT CATALOG](#)**



NOT DAMAGED



DAMAGED

GUIDE FOR SCORING  
VIRGINIA TYPE PEANUTS  
IN THE SHELL

**PN-Photo No. 7**  
**Effective June 1968**  
**Reprinted June 2014**

Aspergillus flavus Mold  
(A. flavus)

Other Molds

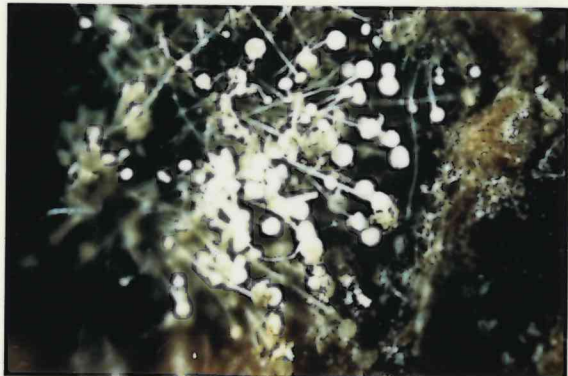
1.



2.



3.



1. Kernel slightly magnified to show fuzzy or beady appearance of A. flavus.
2. Kernel magnified to show conidial heads indicating A. flavus.
3. Kernel under higher magnification to show pronounced characteristics of A. flavus.

4.



5.



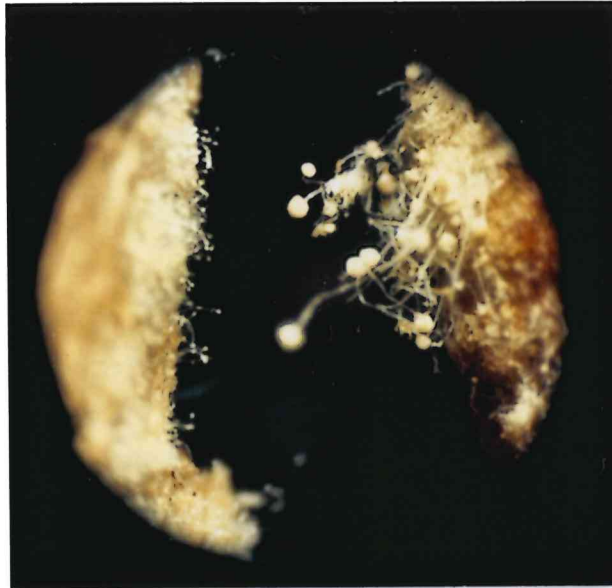
4. Kernel magnified to show characteristic of A. Niger (black conidial heads).
5. Kernel magnified to show other types of mold.

Aspergillus flavus Mold  
Identification

PEN - CP - 3 . Revised 9/82

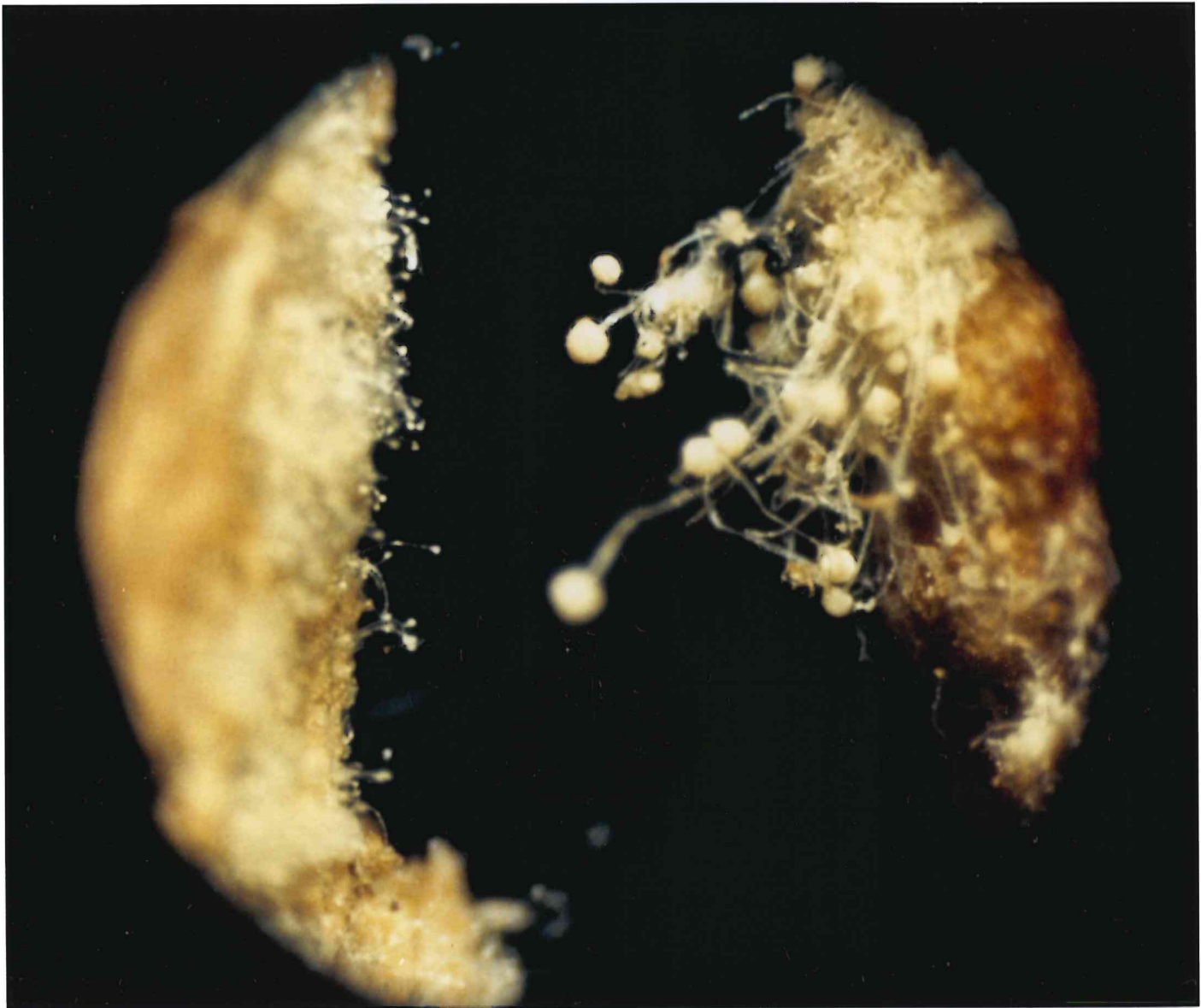
Top photo shows comparison of “mini-mold” (left) and A-flavus (right) under 4X magnification.

The small stems and cone shaped heads of “mini-mold” compared to the large stems and round conidial heads of A-flavus are more apparent in the enlargement below.



“Mini-Mold” /A-Flavus  
Comparison

Identification  
PEN-CP-3-A-6/89



Top photo shows comparison of “mini-mold” (left) and A-flavus (right) under 4X magnification.

The small stems and cone shaped heads of “mini-mold” compared to the large stems and round conical heads of A-Flavus are more apparent in the enlargement below.



“Mini-mold” /A-flavus  
Comparison

Identification  
PEN-CP-3-B-6/89





**ILLUSTRATING DISCOLORED SHELLS OF MILLED PEANUTS (Virginia Type)**

**Top Four Shells-----Not damaged by discoloration**

**Bottom Four Shells-----Damaged by discoloration**

**Discoloration of Peanuts  
PEN-CP-4  
March 1990  
(previously 12/73)**



Not Damage

**PEANUT KERNELS SHOWING CHARACTERISTICS OF FREEZE DAMAGE**

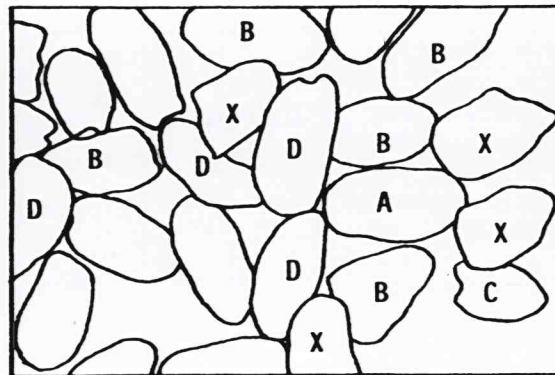
Damage

Freeze damaged peanuts have a slightly dull and faded skin color with the veins often becoming dark and conspicuous. The flesh has a glassy or an abnormal dull appearance and may also show a noticeable yellow, brown or gray discoloration on the oval side of the kernel.

Not Damage

The kernels must be split, the skins removed, and both the flat and round sides examined when determining freeze damage. The flesh of the half kernel must have an indication of freeze damage to be scored. Do not confuse surface discoloration not penetrating the flesh with freeze damage. Any peanut with a definitely rancid flavor is damaged, regardless of skin or flesh color.

Damage



X Indicates kernels not having definite characteristics of freeze damage and are not scorable.

Remaining kernels show one or more of the following definite characteristics of freeze damage and are scorable.

- A Vein discoloration with glassy appearance.
- B Yellow to mustard discoloration accompanied by glassy appearance.
- C Yellow to brown discoloration accompanied by glassy appearance.
- D & Unmarked kernels -- Kernels which have a glassy appearance but do not have the discoloration as described in A. B & C shall be scored as damage only if hard, brittle and/or have a distinctly objectionable taste.

PEANUT KERNELS – FREEZE DAMAGE  
Pen-CP-6 (Revised 9/89)

**FARMERS' STOCK PEANUTS**



**"Not Raisins"**



**"Raisins" ("Twister")**

**USDA**

**PEN-CP-8  
"Raisins"  
June 1996**



# **PEANUT SKIN DISCOLORATION COLOR COMPARATOR PN-1**

**PEANUTS  
USDA**

**SKIN DISCOLORATION**

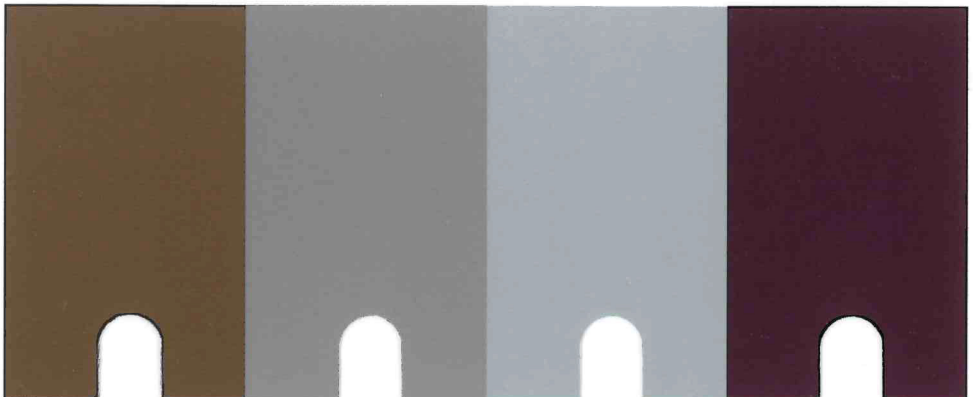
**Revised 2010**

**BROWN**

**GRAY**

**BLUE-GRAY**

**PURPLE**



SHELL DISCOLORATION ON VALENCIA TYPE PEANUTS

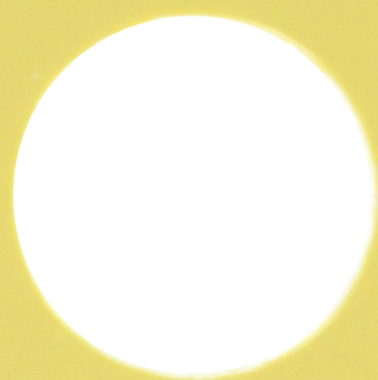


NATURAL SHELL COLOR



25% OF SURFACE SHOWING DISCOLORATION

PN-2, 7/86



Peanuts

Minimum light yellow color  
for scoring flesh discoloration

**USDA PN-CC-1**

**APRIL 2014**

SURFACE DISCOLORATION



MINOR DEFECTS



PN-CP-1-8/86

ADHERING DIRT ON PEANUTS



MINOR DEFECTS

DAMAGE

PN-CP-2-8/86

# ADHERING MATERIAL ON PEANUT KERNELS



## Minor Defects

Whole or half kernels with adhering material in equal or greater amounts than shown are scored as minor defects.

**USDA**

**PN - CP - 5  
Adhering Material  
on Peanut Kernels  
November 1995**

# High Moisture Foreign Material For Peanuts



**Citron**



**Horse Nettle (Briarball or Treadsatter Ball)**



**Pieces of Citron**



**Gherkins**



**Small Citrons**



**Maypops**



GREEN FLESH DISCOLORATION



Maximum allowed before minor.

PNT-CP-10  
February 2003

GREEN FLESH DISCOLORATION



Maximum allowed before minor.

PNT-CP-10  
February 2003

GREEN FLESH DISCOLORATION



Maximum allowed before minor.

PNT-CP-10  
February 2003

GREEN FLESH DISCOLORATION



Maximum allowed before minor.

PNT-CP-10  
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GREEN FLESH DISCOLORATION



Maximum allowed before minor.

PNT-CP-10  
February 2003

GREEN FLESH DISCOLORATION



Maximum allowed before minor.

PNT-CP-10  
February 2003



# Peanut Kernels: Identification Only - Concealed Rancid, Mold, & Decay

