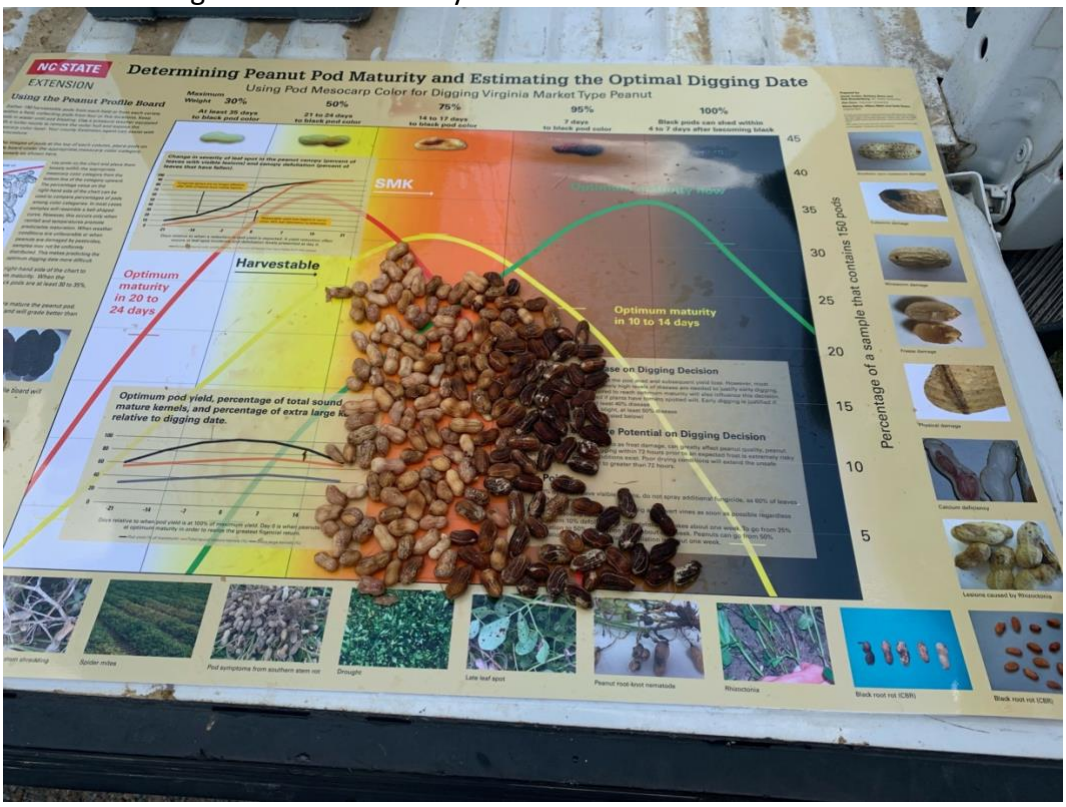
Valencia's (next 5 images)

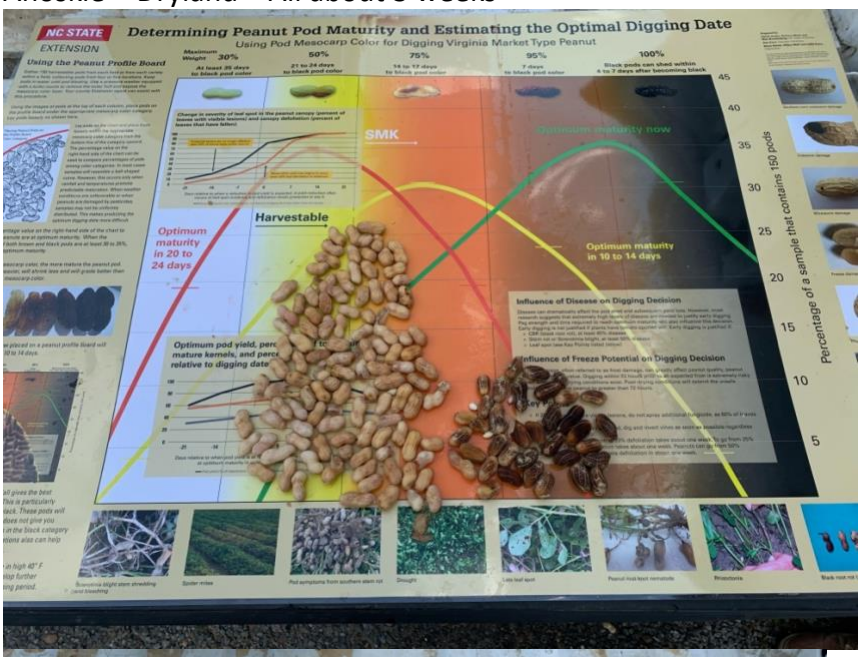
Checked on 9/7

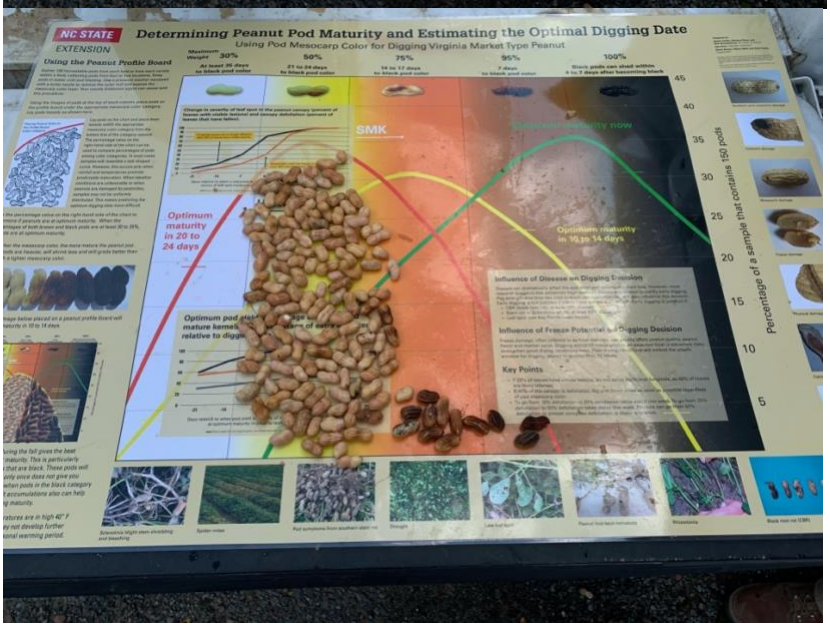
St. John – Dryland – About 2 weeks

Aulander – Irrigated – About 10 days



Ahoskie – Dryland – All about 3 weeks

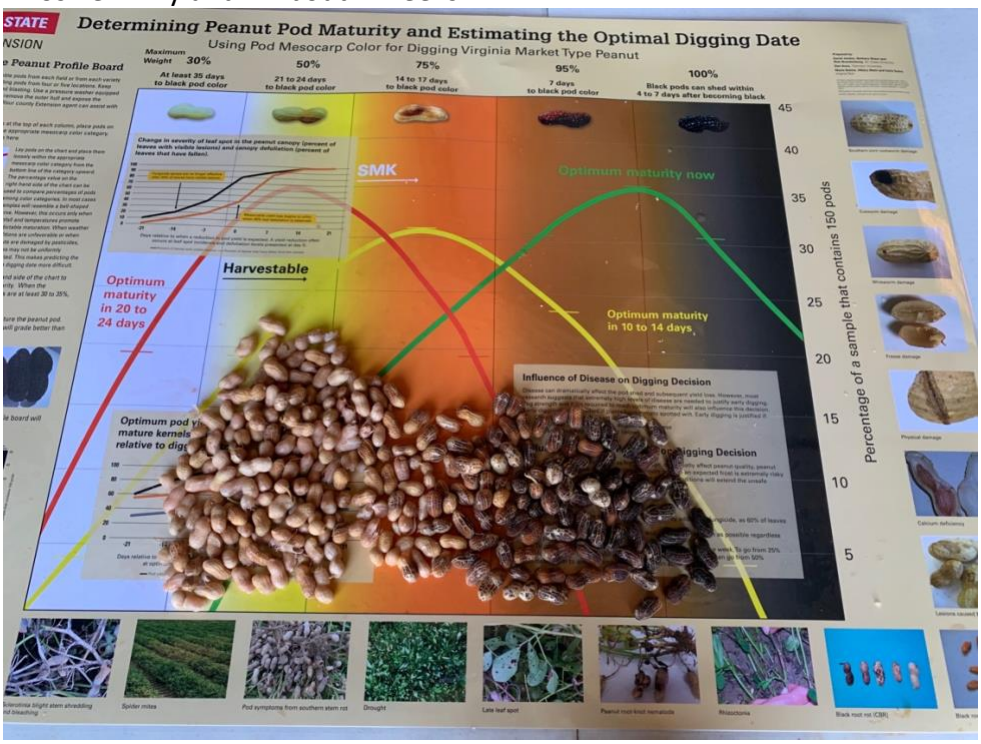




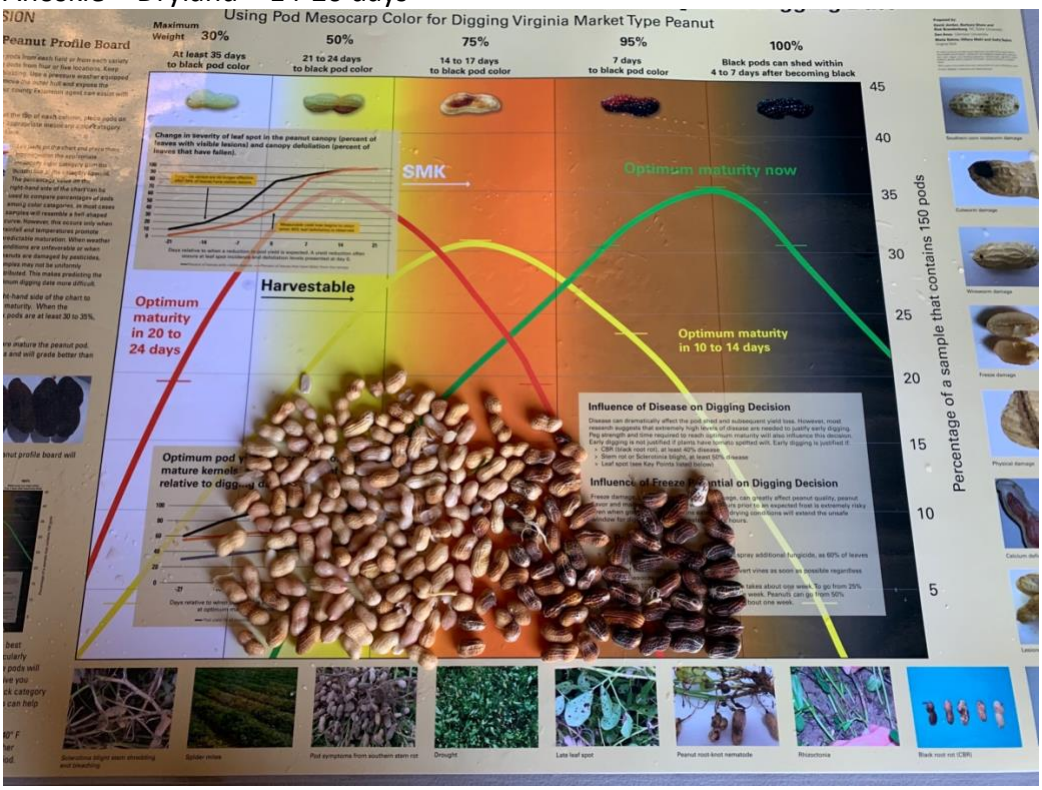
Valencia's (next 2 images)

Checked on 9/15

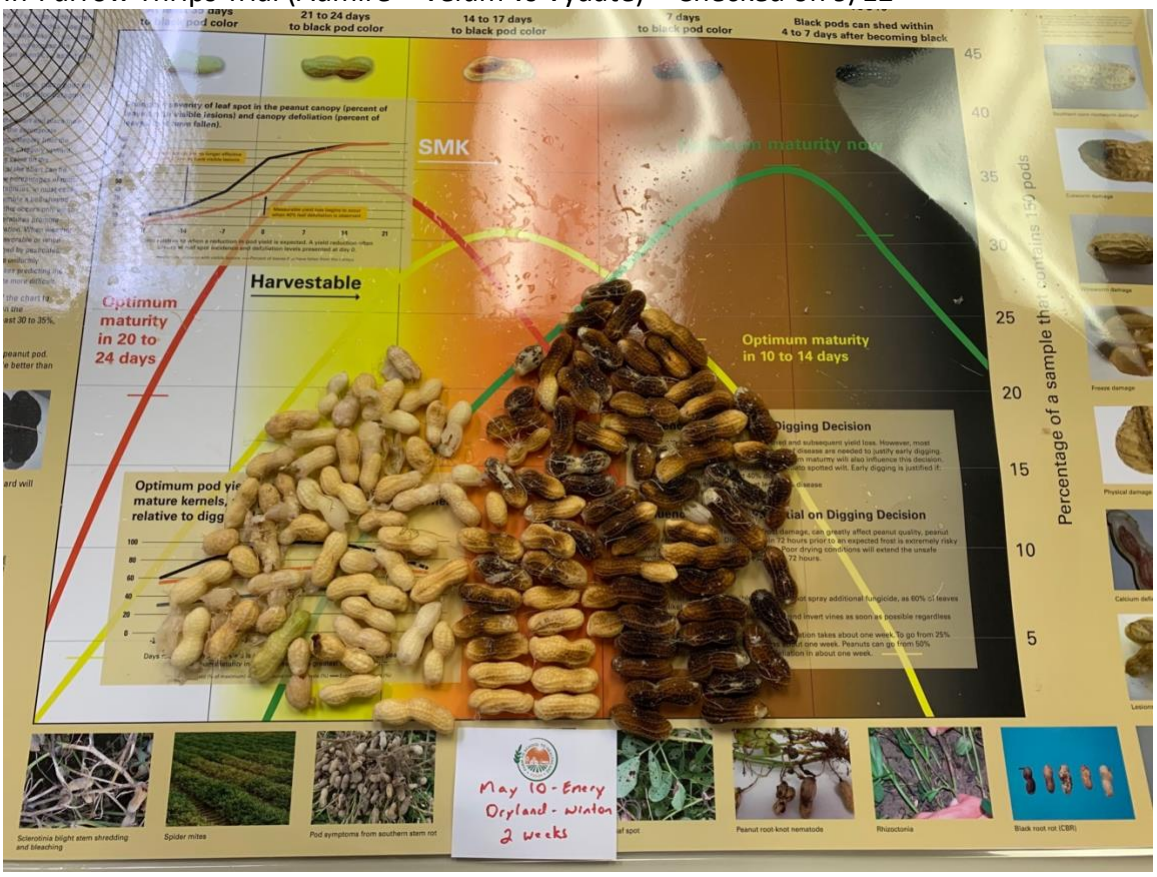
Ahoskie – Dryland – About 2 weeks



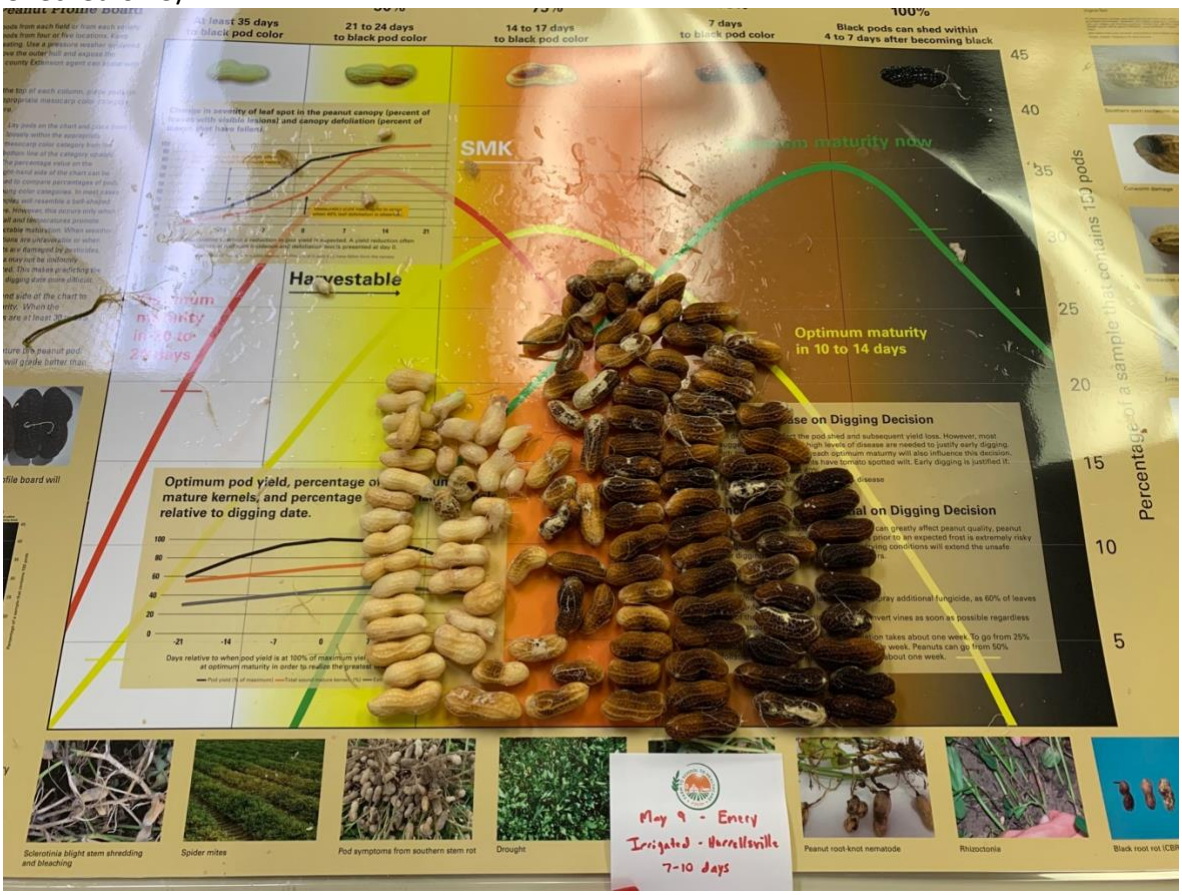
Ahoskie – Dryland – 14-20 days

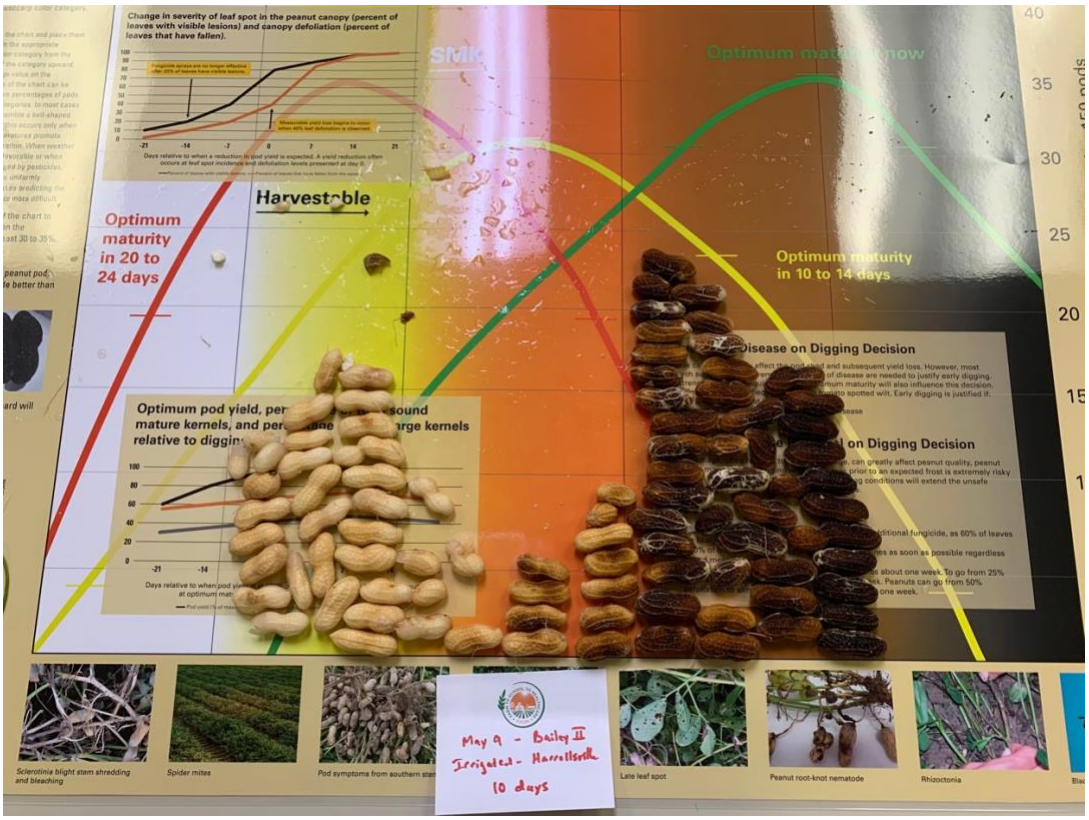


In-Furrow Thrips Trial (Admire + Velum vs Vydate) – Checked on 9/12

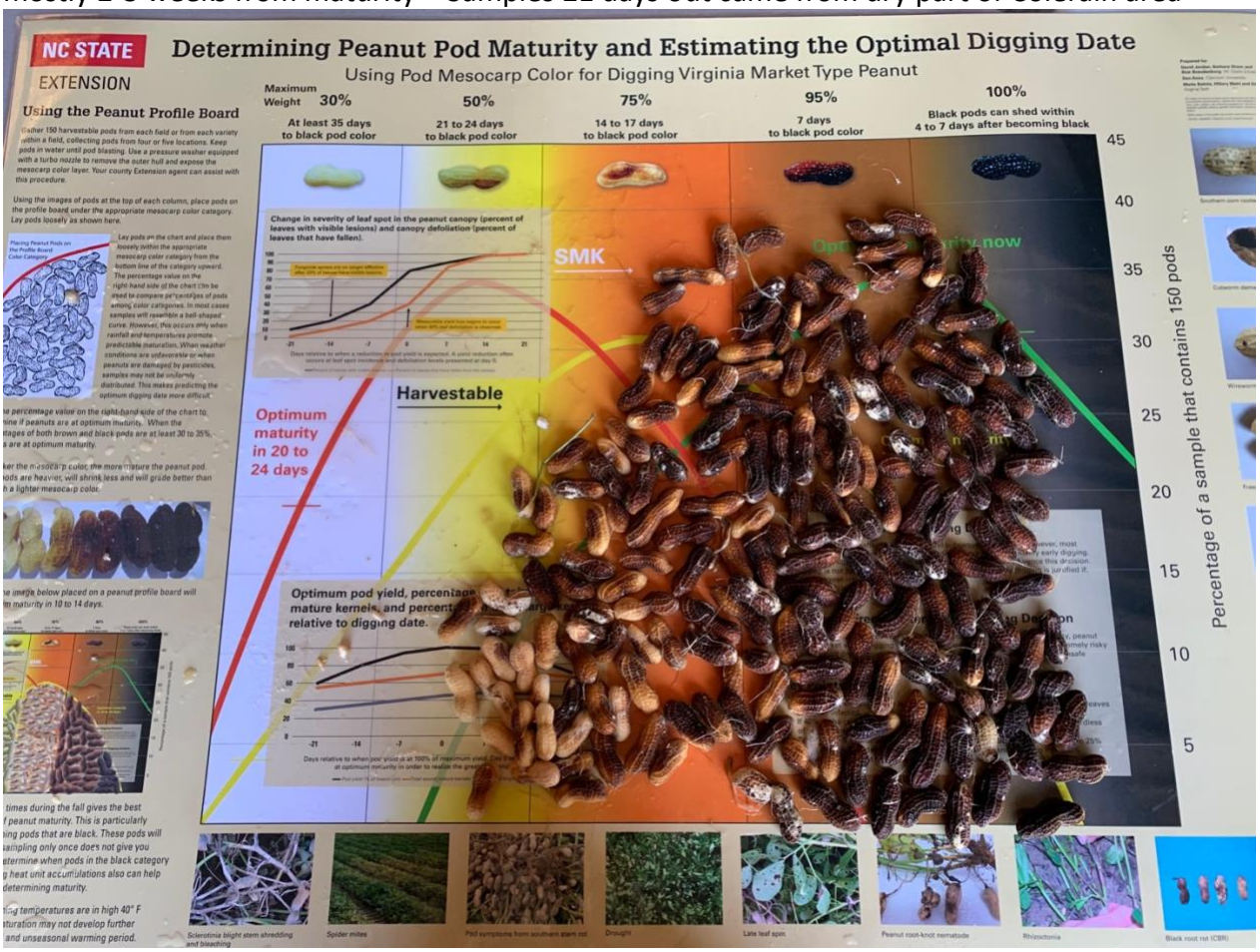


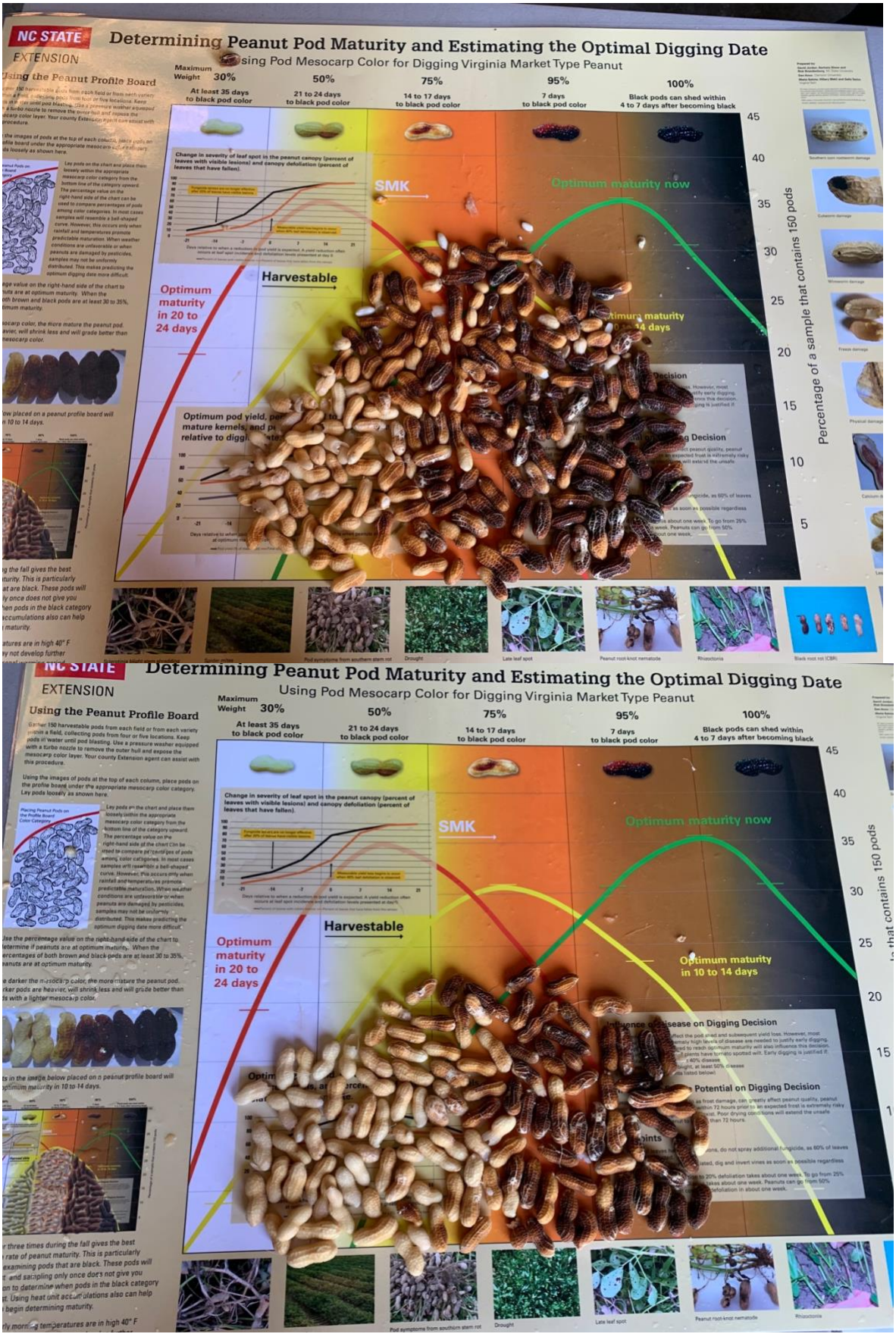
Hertford Co. Variety Trial (images of Emery & Bailey II) – Harrellsville
Checked on 9/12





Images from 9/15 pod blasting (7 images) – Samples ranged from ready now (below) to mostly 2-3 weeks from maturity – Samples 21 days out came from dry part of Colerain area




NC STATE
EXTENSION
Determining Peanut Pod Maturity and Estimating the Optimal Digging Date
Using Pod Mesocarp Color for Digging Virginia Market Type Peanut
Using the Peanut Profile Board
Maximum Weight
30%
50%
75%
95%
100%
At least 35 days to black pod color
21 to 24 days to black pod color
14 to 17 days to black pod color
7 days to black pod color
Black pods can shed within 4 to 7 days after becoming black
SMK
Optimum maturity now
Harvestable
Optimum maturity in 20 to 24 days
Optimum maturity in 10 to 14 days
Percentage of a sample that contains 150 pods
45
40
35
30
25
20
15
10
5
Change in severity of leaf spot in the peanut canopy (percent of leaves with visible lesions) and canopy defoliation (percent of leaves that have fallen).
Optimum pod yield, pe
mature kernels, and p
relative to digg
Decision
Decision
Potential on Digging Decision
Southern corn rootworm damage
Cutworm damage
Wireworm damage
Freeze damage
Physical damage
Calcium d
Spotted wilt
Spider mites
Pod symptoms from southern stem rot
Drought
Late leaf spot
Peanut root-knot nematode
Rhizoctonia
Black root rot (CBR)

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Rhizoctonia

NC STATE EXTENSION

Determining Peanut Pod Maturity and Estimating the Optimal Digging Date

Using Pod Mesocarp Color for Digging Virginia Market Type Peanut

Maximum Weight	30%	50%	75%	95%	100%
	At least 35 days to black pod color	21 to 24 days to black pod color	14 to 17 days to black pod color	7 days to black pod color	Black pods can shed within 4 to 7 days after becoming black

Change in severity of leaf spot in the peanut canopy (percent of leaves with visible lesions) and canopy defoliation (percent of leaves that have fallen).

SMK

Optimum maturity now

Optimum maturity in 10 to 14 days

Percentage of a sample that contains 150 pods

45 40 35 30 25 20 15 10 5

Influence of Disease on Digging Decision

Influence of Freeze Potential on Digging Decision

Key Points

Southern corn rootworm damage

Cutworm damage

Wireworm damage

Freeze damage

Physical damage

Calcium deficiency

Lesions caused by

Sclerotinia blight stem shredding and bleaching

Spider mites

Pod symptoms from southern stem rot

Drought

Late leaf spot

Peanut root-knot nematode

Rhizoctonia

Black root rot (CRR)

Black

Gather 150 harvestable pods from each field or from each variety within a field, collecting pods from four or five locations. Keep pods in water until pod blasting. Use a pressure washer equipped with a turbo nozzle to remove the outer hull and expose the mesocarp color layer. Your county Extension agent can assist with this procedure.

Using the images of pods at the top of each column, place pods on the profile board under the appropriate mesocarp color category. Lay pods loosely as shown here.

Placing Peanut Pods on the Profile Board Color Category

Lay pods on the chart and place them loosely within the appropriate mesocarp color category from the bottom line of the category upward. The percentage value on the right-hand side of the chart can be used to compare percentages of pods among color categories. In most cases samples will resemble a bell-shaped curve. However, this occurs only when rainfall and temperatures promote predictable maturation. When weather conditions are unfavorable or when peanuts are damaged by pesticides, samples may not be uniformly distributed. This makes predicting the optimum digging date more difficult.

Use the percentage value on the right-hand side of the chart to determine if peanuts are at optimum maturity. When the percentages of both brown and black pods are at least 30 to 35%, peanuts are at optimum maturity.

The darker the mesocarp color, the more mature the peanut pod. Darker pods are heavier, will shrink less and will grade better than pods with a lighter mesocarp color.

Peanuts in the image below placed on a peanut profile board will reach optimum maturity in 10 to 14 days.

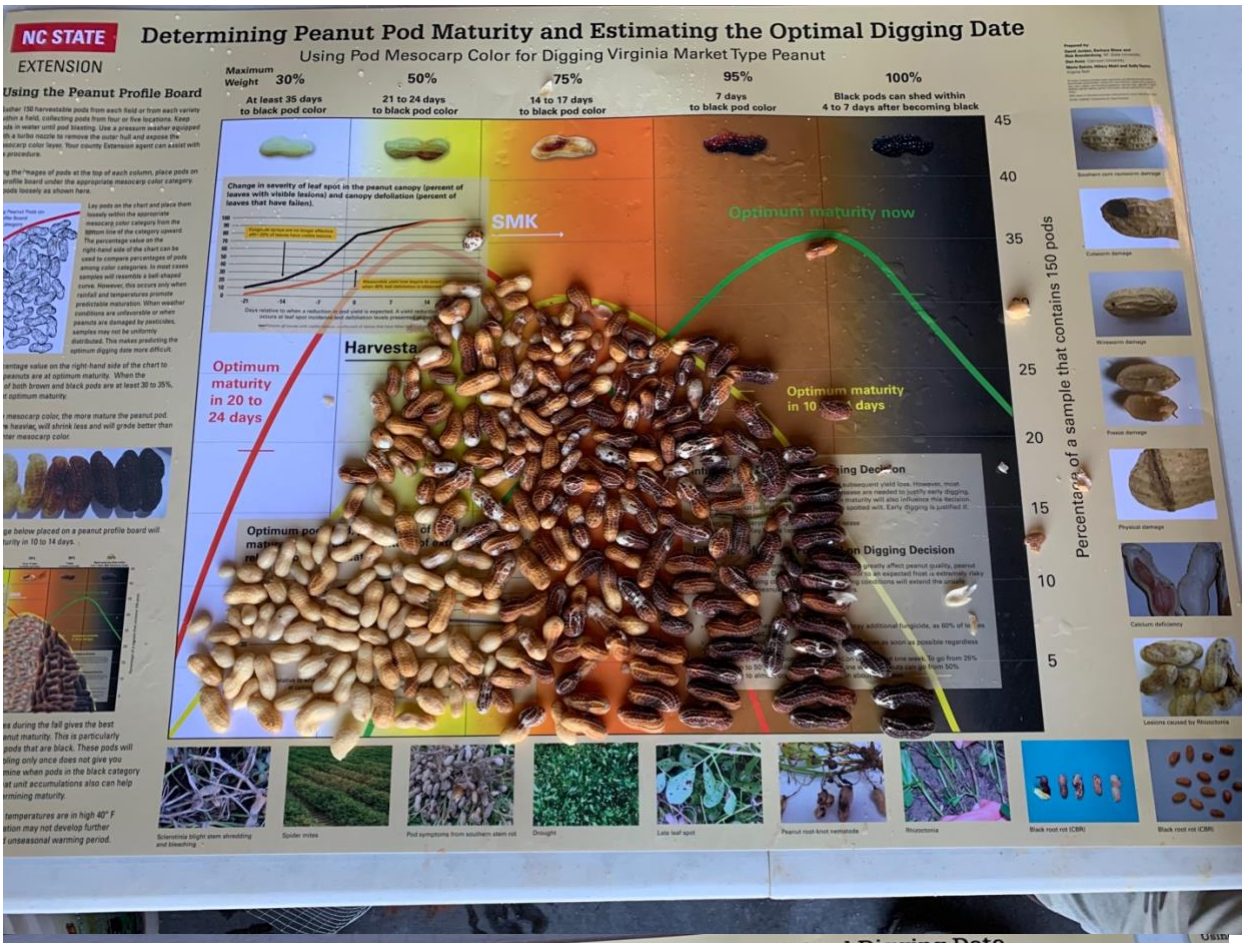
Sampling two or three times during the fall gives the best indication of the rate of peanut maturity. This is particularly important when examining pods that are black. These pods will eventually be lost and sampling only once does not give you enough information to determine when pods in the black category are likely to be lost. Using heat unit accumulations also can help you know when to begin determining maturity.

Note that when early morning temperatures are in high 40° F range for two days, pod maturation may not develop further unless there is a prolonged and unseasonal warming period.

Harvestable

Optimum maturity in 20 to 24 days

LEFTLINE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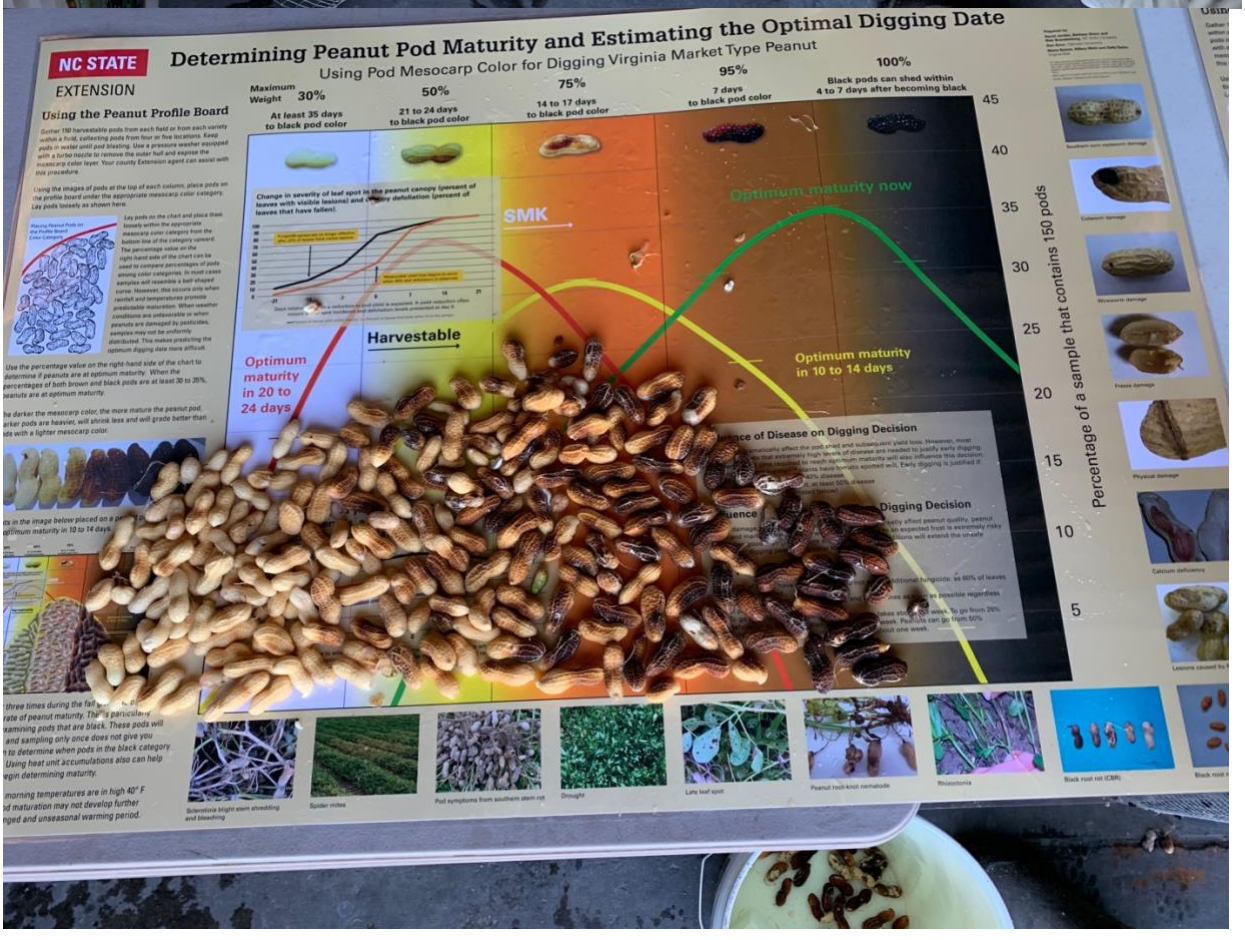
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