

First True Leaf - Bloom

PEST	Damaging Stage	SAMPLING		THRESHOLD	NOTES
		Method	Frequency		
Various insect defoliators (183, 1583)	larvae of caterpillars adults & immatures of beetles & grasshoppers	Sample 5 areas of the field. Evaluate for % defoliation using defoliation chart. (185)	Weekly for the first 4 - 5 weeks; then every other week.	first true leaves - bloom: 35% bloom - pod set: 20% pod fill 35% pod fill - maturity 35+% (884)	common defoliators: Mexican bean beetle, Japanese beetle, grasshoppers, green cloverworm, skipper larvae, white woolly bear caterpillar

Bloom to Pod Fill

PEST	Damaging/ Monitored Stage	SAMPLING		THRESHOLD	NOTES
		Method	Frequency		
Spider Mites (183)	adult & nymph	Start in early July, scouting field borders first. Sample 5 areas of the field. Examine base of leaf for sandblasted appearance or white stippling	Once every 2 weeks unless near threshold; then more frequent visits required.	20 - 30 live mites + 50% of plants exhibit > 1.5 rated damage. Spot treat isolated areas/field edges with heavy infestations. (938)	Rate leaves as follows: 0 = no injury 1 = light, white stippling around base of veins; < 1/3 of area affected 2 = stippling over 1/3 - 2/3 of leaf area; feeding patches join at base. 3 = stippling ≥ 2/3 of leaf area; dense feeding patches, leaves green 4 = yellowing on < 50% of leaf area; margins brown, blanched & shriveled. (938)

*Bolded numbers in parenthesis indicate sources of additional information found in the Mid-Atlantic IPM Database by this special reference number.

Scouting procedures, thresholds, and crop management recommendations have been compiled from a number of sources and may not be valid for all areas within the Mid-Atlantic Region. They are meant to be used as guidelines. As such, they should be validated on small acreages before relying on them. No guarantee of their validity, success, or failure to perform in the field is implied or expressed. Consult your local Cooperative Extension Agent for additional information or assistance.