

Production Year

Pre-planting Decisions

1. From the information obtained from prior year's scouting, select recommended control options for those weeds.
2. Use the map locating perennial weeds to determine if fall treatment eliminated those weeds.
3. Consider using the stale seedbed technique to eliminate germinating weed seeds from top inch of soil.
4. Match preplant incorporated and preemergence herbicide rates to soil type and percent organic matter in each field. (292)

Late Unifoliate to First Trifoliate Leaf (two to three weeks after planting)

Weeds	Sampling	Frequency	Threshold										
Zero Tolerance Weeds (ZTW) = Nightshades, Horsenettle, Yellow Nutsedge, Morning Glory, Jimsonweed, Common Cocklebur, Canada Thistle, Common Milkweed, Hemp Dogbane, Bindweed spp., Johnsongrass, Bermudagrass, Quackgrass Summer Annuals (277, 1326)	In a zigzag pattern, scout 1 sq. yd. in 5 random locations and 10 ft. of row in another 5 random locations. Identify and count # of each weed species. Map location of ZTW. Determine whether weeds are predominantly within the row or between rows.	Once, approximately 3 weeks after planting.	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"># weeds/10 ft. row or 1 sq. yd.</th> <th style="text-align: left; border-bottom: 1px solid black;">Action</th> </tr> </thead> <tbody> <tr> <td>ZTW: Presence</td> <td>Control required.</td> </tr> <tr> <td>Summer annuals: < 0.25 weed</td> <td>None</td> </tr> <tr> <td style="padding-left: 20px;">0.25 - 1 weed</td> <td>Control may be required.</td> </tr> <tr> <td style="padding-left: 20px;">> 1 weed</td> <td>Control required</td> </tr> </tbody> </table> <p>Whether weeds are within the row or between the row determines if cultivation will be an effective control.</p>	# weeds/10 ft. row or 1 sq. yd.	Action	ZTW: Presence	Control required.	Summer annuals: < 0.25 weed	None	0.25 - 1 weed	Control may be required.	> 1 weed	Control required
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All Weeds	Same as above.	1 week after control measures are implemented from the 3 week scouting.	This information is used to evaluate how well controls worked.										

Prebloom Stage: Third Trifoliate to Pre-Bud (five to six weeks after planting)

Weeds	Sampling	Frequency	Threshold										
ZTW (See above) Summer Annuals (277, 1326)	Sample 1 sq. yd. in 5 random locations and 10 ft. of row in another 5 random locations. Note whether these weeds are predominantly within the row or between rows. Map presence of ZTW.	Once, 5- 6 weeks after planting.	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"># weeds/10 ft. row or 1 sq. yd.</th> <th style="text-align: left; border-bottom: 1px solid black;">Action</th> </tr> </thead> <tbody> <tr> <td>ZTW:: Presence</td> <td>Control required.</td> </tr> <tr> <td>Summer Annuals: < 0.25 weed</td> <td>None</td> </tr> <tr> <td style="padding-left: 20px;">0.25 - 1 weed</td> <td>Control may be required.</td> </tr> <tr> <td style="padding-left: 20px;">> 1 weed</td> <td>Control</td> </tr> </tbody> </table> <p>Cultivate if weeds are predominantly between the rows.</p>	# weeds/10 ft. row or 1 sq. yd.	Action	ZTW:: Presence	Control required.	Summer Annuals: < 0.25 weed	None	0.25 - 1 weed	Control may be required.	> 1 weed	Control
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Pre-Harvest

Weeds	Sampling	Frequency	Threshold	Notes
Horsenettle, Groundcherry, Black Nightshade, Hairy Nightshade, Yellow Nutsedge, Canada Thistle, Common Milkweed, Hemp Dogbane, Bindweed spp., Johnsongrass, Bermudagrass	Scout one square yard in 5 random locations and 10 ft. of row in another 5 random locations in the field. Map location of these weeds.	Once, prior to harvest.	presence	Weeds that will interfere with harvest must be eliminated. Otherwise wait until after harvest and treat these weeds in a fall cleanup program. See “Postharvest Perennial Weed Control” for treatment options. (292)
Annual Weeds	Scout for these weeds while scouting for the above mentioned weeds.	Once, prior to harvest.	presence	Weeds that will interfere with harvest must be eliminated.

*Bolted 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.