

Potato Scouting Form

UMass Extension Vegetable Program, 2014

Farm/Grower: _____

Scout: _____

Field Name: _____

Date: _____

Crop/Cultivar(s): _____

Block: _____

Crop Stage (circle)	foliage	open row	filled row	closed canopy	collapse	senesce	bloom	none	bud	bloom	postbloom
	Sample unit used (circle one): plant stalk						tuber size: _____ (Record average tuber size at 2-3 hills)				

Procedure: Walk the field in a V-shaped pattern & select **10 sites** (randomize using paces).
 Select **3 plants** (when plants emerge until 12"-18" tall) thereafter select **3 stalks** at each site.

Potato leafhopper (PLH) *Start scouting in June.*

PLHA: Before scouting CPB, shake plant/stalk to count adults flying up (estimate). **Threshold:** 1/plant

PLHN: Inspect underside of 3 leaves (low, mid, upper) per plant or stalk, record total number. **Threshold:** 1 per 3 leaves

Aphid (APH) *Start scouting in mid June.*

APH = Scout 3 leaves (same as PLHN) count aphids on top, middle and bottom leaf. Record total number.

APH ID: GPA=green peach aphid, PA=potato aphid, MA=melon aphid **Threshold:** 15/3 lvs; if <2 weeks before vine kill, 30/3 lvs

Colorado potato beetle (CPB) *Start scouting late May to early June*

EM = egg mass **SL** = small larva (< half grown; 1st + 2nd instars) **LL** = large larva (> half grown; 3rd + 4th instars)

A = adult **Threshold** (per plant or stalk): 0.5 Adult, 4 SL, or 1.5 LL

Defoliation/Damage Rating (DMG): combined damage from CPB, hopperburn, disease. Note predominant cause of damage in "Other" column.

Rate percent of foliage damaged: **0=0%** **1=0-10%** **2= 10-25%** **3=25-50%** **4=>50%**

Other Pests/Beneficials/Diseases/Weeds: Make note of any of these seen on a plant being scouted. Identify if possible.

Disease: note presence of Early Blight, Late Blight, Scab or other. Include in % total plant damage. Note tuber damage separately.

Note if sample taken for ID

Plant or Stalk	CPB counts				PLH and APH number/3 leaves				DMG rating	Other Pests/Beneficials/Diseases/Weeds/Cause of Damage
	EM	SL	LL	A	PLHA	PLHN	APH	APH ID		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
Total										
Avg.										

Notes: _____

Map: _____