**Potato Scouting Form**

**UMass Extension Vegetable Program, 2014**

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<th>Field/Grower:</th>
<th>Scout:</th>
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<th>Field Name:</th>
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<th>Crop/Cultivar(s):</th>
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### Crop Stage (circle)
- foliage
  - open
  - filled
  - closed
- canopy collapse
- senesce
- bloom
- none
- bud
- bloom
- postbloom

### 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.

### Notes: Map: