



**Potato Scouting Form**

Farm/Grower: \_\_\_\_\_ Scout: \_\_\_\_\_

Field Name: \_\_\_\_\_ Date: \_\_\_\_\_

Crop/Cultivar(s): \_\_\_\_\_ Block: \_\_\_\_\_

Crop Stage (circle)	foliage	open	filled	closed	collapse	senesce	bloom	none	bud	bloom	postbloom
		row	row	canopy							

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 on a scale of 0-100%

**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										
<b>Total</b>										
<b>Avg.</b>										

Notes:

Map: