



Utah Pests Sampling Form:

Pear Psylla

Beating Tray Method

Orchard Block: _____ Variety: _____

Date: _____ Stage of Bud Development: _____

Sample Tray #	Psylla Adults
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
Total Adults for Trays 1-10	
Adults/Tray = Total/10	

Sample Tray #	Psylla Adults
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
Total Adults for Trays 11-20	
Adults/Tray = Total/10	

Pear Psylla Sampling Instructions

When and How Long to Sample:

Dormant Phase Adults

Begin sampling for adults in the dormant phase when daytime temperatures reach at least 45 F, beginning around early March, and continue weekly through April.

Summer Adults

Sample every other week for summer adults starting in mid-May and continuing to mid-October.

Treatment Thresholds:

0.2 adults per tray (2 per 10 trays or 4 per 20 trays)

For more information, see the [Pear Psylla fact sheet](#).

Materials Required:

1. Beating Tray: You can purchase one or make your own. Cut a black or white cloth and sew the corner edges down to make a pocket. Bind two sticks or rods to make an "x", and wrap the cloth corners into the edges of each stick. Alternatively, wrap a cloth tightly around an old window frame and attach a stick or rod to hold it. (Adult psylla is easiest to see on white cloth.)
2. Beating Stick: Use a stiff rubber hose, or wrap a stick or PVC pipe with padding and duct tape.
3. 16 - 20x magnifying lens

Sampling Procedure:

1. Select at least 10 trees in orchard blocks of one acre or less and at least 20 trees in blocks larger than one acre. Include trees for sampling where populations have historically been high.
2. Hold the cloth beating tray under an average limb and hit it three times with the beating stick. Select one limb per tree.
3. Tip tray slightly so that larger debris falls away.
4. Count and record all the psylla adults that fall onto the tray.

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