

DEVELOPING AN EFFECTIVE ATTRACTANT LURE FOR TPP

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Y-TUBE TESTING

- Run Y-tube 30 minutes before first TPP enters.
- 6-hour starvation
- 15 minutes per TPP
- Do 5 individual TPP and swap sides.
- 20 TPP per testing substance



PRELIMINARY TESTING

Green Agria leaves vs Water

- 10 TPP tested
- Poor response, only 1 TPP Moved
- Indicates, color attraction not smell.

Psyllid Yellow Agria Leaves vs Water

- 10 TPP tested
- 1 attracted to Hot yellow potato leaves
- 1 attracted to Water

TESTING DESIGN

- Potato Pot Test
- Four varieties
 - Moonlight, Agria
Innovator, Burbank
- Five hot & cold each variety
- Boxthorns
- Green leaves
- Yellow leaves

Type of Testing	Number of Test	Individual TPP required
Clean potato varieties against water	4	80
Clean potato variety comparison	7	140
Psyllid yellows against water	4	80
Psyllid yellow variety comparison	7	140
Hot TPP against water	4	80
Hot TPP variety comparison	7	140
Clean variety vs Psyllid yellow	11	220
Clean variety vs Hot TPP	11	220
Hot TPP vs Psyllid yellow	11	220
Boxthorn green vs water	1	20
Boxthorn yellow vs water	1	20
Boxthorn green vs Boxthorn yellow	1	20
	69	1380

TPP BREEDING

- Hot Colony and Cold Colony
- Breed In growth chambers
- 25 Degrees (24-26 range)
- 14 hours day light, 10 hours dark
- Annabelles, 12 planted each Monday.

QUESTIONS/IDEAS/SUGGESTIONS

