Red Palm Weevil notes

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The region

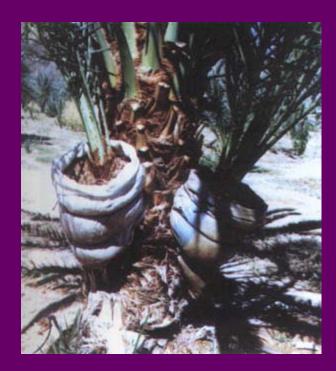


מרכז פרס לשלום مركز بيرس للسلام The Peres Center For Peace



















RPW: Life cycle









offshoots

Established trees







distribution









- Infested trees can be cured
- the main mode of distribution is by offshoot dissemination
- The RPW is a particular pest.







Detection is a key to management

lack of care results in tree loss (Over a million lost since the pest entered the Middle East)













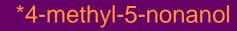
Trapping



~4000 traps were employed

Pheromone*ferrugineol-based + food bait + ethyl Acetate







on-tree detection

sniffing



Listening









Cooperation and division of labor within Israel:

Initially: →The Peres Center

taken over by growers and ministry of Agriculture

Trap improvement, insecticide efficacy, detection through sound \rightarrow taken over by ARO personnel.





RPW: Activities of the PCP

- Establish a trapping monitoring system
- Capacity building -establish laboratories for diagnostic and educational purposes.
- Implement a management system according to the findings.
- Set up a collaborative network of the parties





























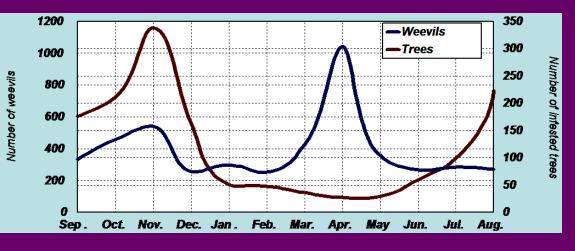




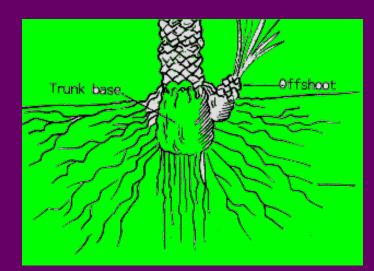












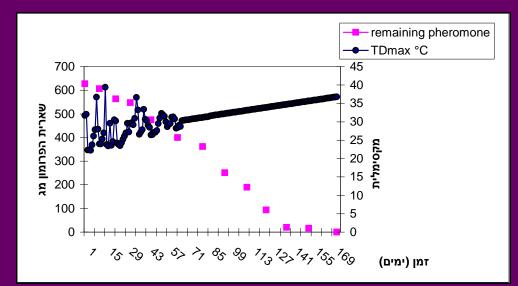






Residual activity of Cyhalothrin on date trunk fibers

Days from application	Residual quantity in- ppm	Survival of adults in-%
0	2.3±0.1	0
35	1.4±0.98	NT
60	NT	0
175	2.0±1.44	0

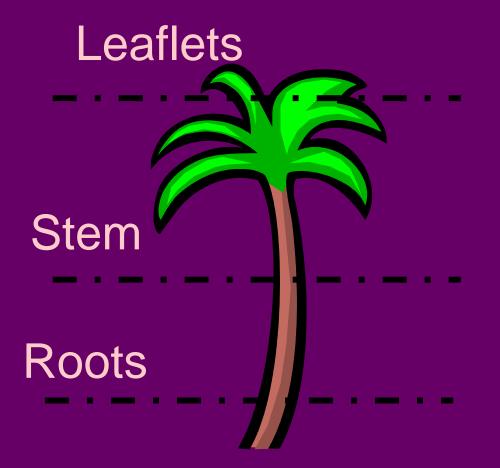


Pheromone retention studies





Dynamics of systemic pesticides

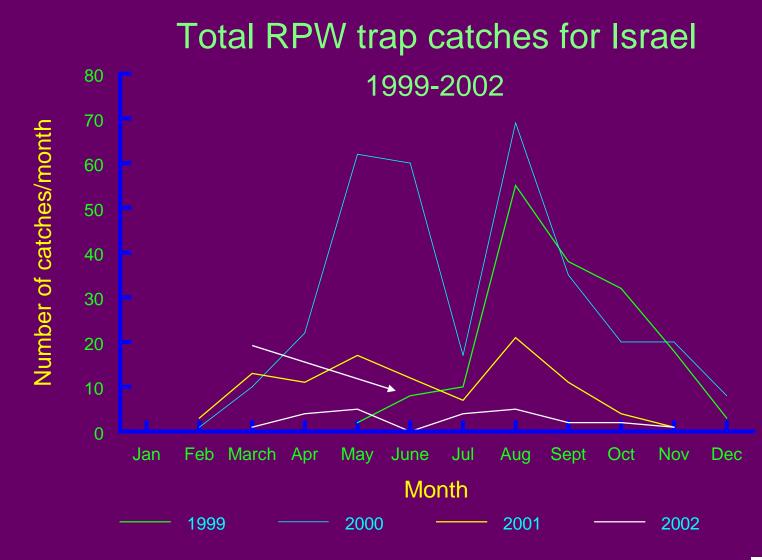






Time dependent distribution of Imidacloprid in young potted dates

Amount of Imidocloprid in mg per kg sample			Time after	Confidur		
Total	Roots	Stem	Leaflets	# Trees	treatm ent (days)	per applicat ion
18.7	6.7	5.5	6.5	1	91	
*4.0	1.9	0.07	0.97	1	129	
7.2	3.6	2.5	1.05	1	190	
3.0	1.8	0.3	1.0	2	252	2 ml
70	54.6	12.4	57.6	1	91	
*13.5	15.5	11.5	2.0	1	129	
24.9	12	1.8	11.1	1	190	
15.6	4.2	0.2	11.2	2	252	4 ml
1.4	0.6	0.4	0.4	4		







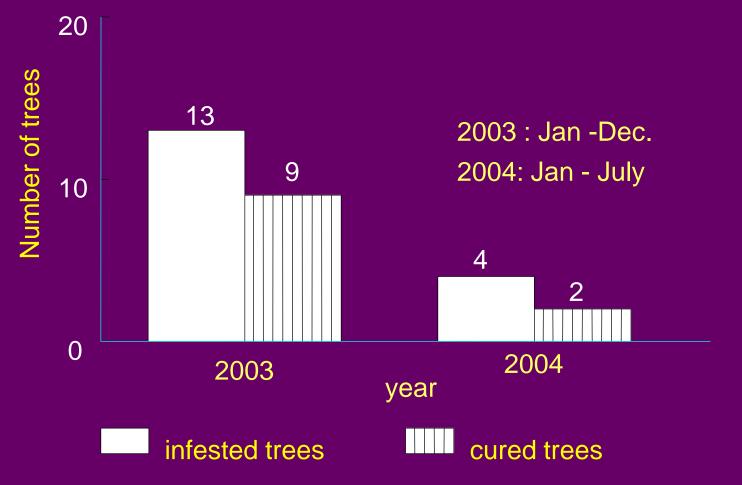
Total RPW catches for Jordan 1999-2001







RPW in Jordan infested and cured trees







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- Establish laboratories for diagnostic and educational purposes.
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The Delegation from Jordan visiting Israel to observe RPW-associated problems on both sides of the borde









Staff members of Suez Canal University Faculty of agriculture, June 2002 in a RPW training course









Palm trees as ornamentals















Thank you







