Citrus Research and Development Foundation, Inc.



Funded Projects to Aid Growers in the HLB Battle

CRDF Board of Directors May 26, 2015

Harold Browning, Chief Operations Officer

- Preventing spread (new plantings and resets)
- Reducing Disease in Infected Trees
- Sustaining/Improving Tree Health
- Fruit Drop and Fruit Quality
- Reducing Impacts of other Diseases and Stresses

PREVENTING SPREAD	Resea	ırch	Delivery		
	CRDF	NIFA	CRDF	MAC	
ACP Movement	814,674		211,681		
ACP Management & CHMAs	4,100,103	4,500,000	1,426,265	2,998,000	
New Plantings Systems			936,705	615,000	
Tolerance in Rootstocks and Scions					
	1,424,649		4,916,042	1,000,003	

IFA C	CRDF	NAAC
		MAC
00.000 1.	.753.245	1.326.000
	,	
30,000	<i>327,</i> 433	1,000,000

SUSTAINING TREE HEALTH	Research		Delivery		
	CRDF	NIFA	CRDF	MAC	
Nutrition Schumann			407,500		
Soil/Water Conditions & Treatments	477,576		385,193	173,000	
Compost, Microbe Products Morgan	187,296		782,078	216,000	
Integrating Approaches to Health				1,543,000	

FRUIT DROP AND FRUIT QUALITY	Research		Delivery		
	CRDF	NIFA	CRDF	MAC	
Influence of PGRs on Infected Trees	470,849		814,144		
Impact of HLB on Fruit Quality			110,000		

October 15, 2015 6

REDUCE IMPACT OF OTHER DISEASES		Resea	rch	Delivery		
		CRDF	NIFA	CRDF	MAC	
Citrus Canker	Graham	3,043,544		834,133		
Citrus Black Spot				909,302		
Phytophthora		336,714				
Diaprepes Root Wee	evil	80,000		134,500		
Citrus Blight		400,000				

Project Profile by Topics – CRDF Research

CRDF Research Category	Projects En	Projects Ending < 7/01/15		ntinuing > 7/01/15
	# Projects	Total Budget	# Projects	Total Budget
Consequences of HLB infection	0		1	\$ 237,500
2. CLas culture, genomics, molecular	7	\$ 1,952,070	4	\$ 1,680,137
3. Citrus response to infection	4	\$ 304,090	2	\$ 496,182
4. HLB pathogen/disease detection	3	\$ 583,581	0	,
5. HLB epidemiology and mitigation	11	\$ 2,459,788	8	\$ 2,504,017
6. ACP monitoring and behavior	4	\$ 628,470	1	\$ 577,703
7. ACP chemical, biological mgmt	7	\$ 1,719,149	4	\$ 1,127,681
8. ACP trapping and repelling plants	0		0	
9. Citrus genomics and transcriptomics	1	\$ 458,000	1	\$ 240,000
10. Conventional citrus resistance breeding	7	\$ 2,317,621	4	\$ 2,052,136
11. Transgenic/ vector mediated resistance	11	\$ 2,832,556	6	\$ 3,026,921
12. Model systems, inc. screening	2	\$ 296,384	3	\$ 1,318,803
Non HLB Pest and Disease Research	7	\$ 1,356,198	9	\$ 3,162,545
Total Research Project	cts 64	\$ 14,907,907	43	\$ 16,423,625

Project Profile by Topics – CRDF Delivery

CRDF Commercial Product Delivery	Projects E	nding <	7/01/15	Projects Continuing > 7/01/15		
Program Topic	# Projects		Total Budget	# Projects		Total Budget
Antimicrobial therapy			-			
	9	\$	2,567,858	4	\$	506,587
Naturally Occurring Microbes			, ,			,
	0			4	\$	468,386
Thermal Therapy						·
• •	2	\$	467,177	1	\$	105,782
Plant Growth Regulators			,			,
<u>-</u>	5	\$	175,717	1	\$	132,660
ACP Management			·			·
•	3	\$	269,720	0		
Tolerant Rootstock Plantings			,			
· ·	3	\$	548,088	1	\$	333,774
Psyllid Shield (RNAi)			,			,
·	1	\$	487,383	1	\$	113,523
HLB Escapes			,			,
	1	\$	176,000	0		
Non-HLB Pests and Diseases			-,			
	1	\$	803,126	3	\$	213,333
Total CPD Project	S	ļΨ	300,120		- Ψ	210,000
,		¢	E 40E 060	15	¢	1 974 045
October 15, 2015	25	\$_	5,495,069	15	D	1,874,045