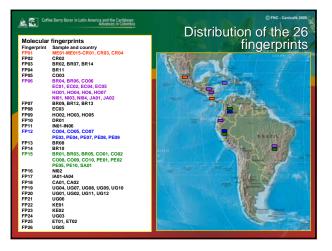


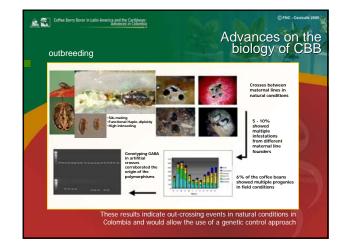
September 1988: Tumaco May 1989: Ancuyá October 1989: La Plata

March 1990:Ansermanuevo June 1990: Vegachí July 1990: Páez

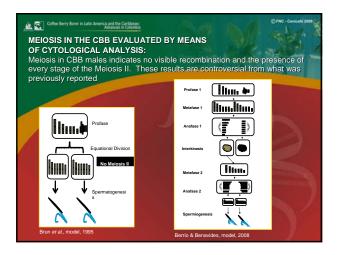
September 1990: Pradera

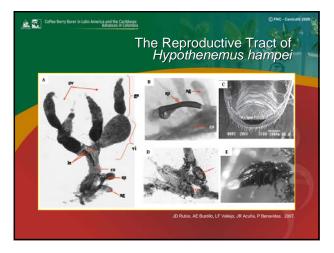
1991: Coffee Central Region

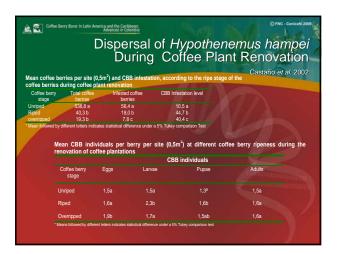


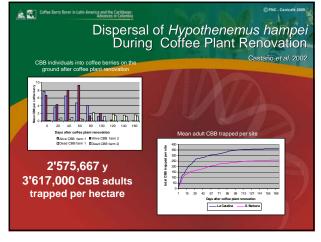












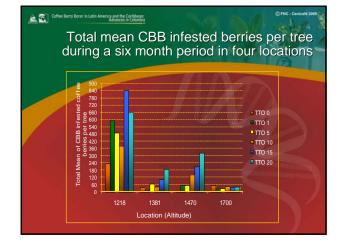
## Impact of The CBB Infested Coffee Berries on the Ground Over the CBB Levels in the Trees



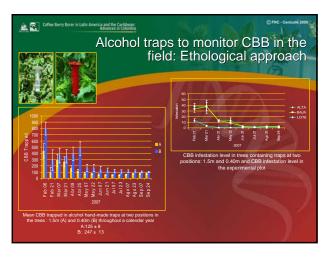
TREATMENTS
T1: 1 infested coffee beny on the ground (TTO 1)
T2: 5 infested coffee beny on the ground (TTO 5)
T3: 10 infested coffee beny on the ground (TTO 10)
T4: 15 infested coffee beny on the ground (TTO 15)
T5: 20 infested coffee beny on the ground (TTO 20)
T0: Control (TTO 0)
15 replications per freatment

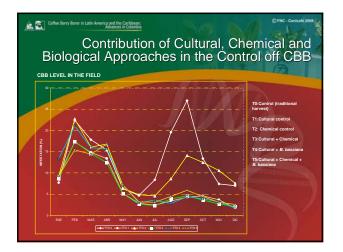
LOCATION Paraguaicito, Quindio, 1218 m.a.s.l. Naranjal, Caldas, 1381 m.a.s.l. La Bella, Quindio, 1470 m.a.s.l. Santacruz, Risaralda, 1700 m.a.s.l.

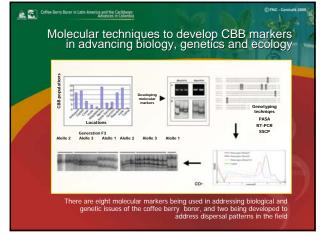
CBB trapped every 10 days using sticky traps CBB infestation level and total number of infested coffee berries every 30 days

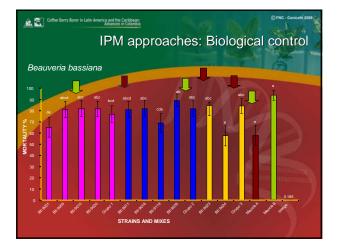


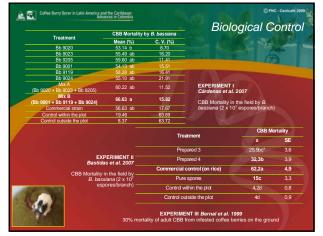






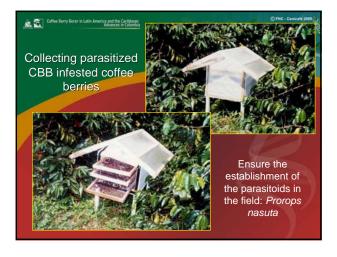


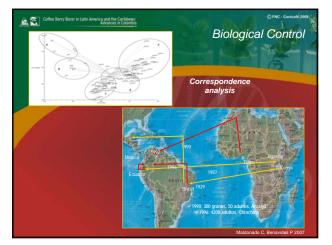


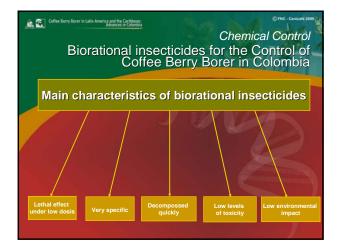


A Collec	Berry Borer in Latin-		d the Caribb moes in Colo	ear: mbia		Die				NC - Cenicaté 200
						BIC	0100	aice	1 C	ontrol
~										1.1
G	enetic v	/arıa	Ibility	and Biol	ogical Pe	ertori	mar	nce	of F	rorops
			ř	asuta in	samples	colle	ecte	d in	Co	Iomhia
				aouta in	oumpioo	00110	5010			Torribic
State	Municipality	preser	t/total samp	led Parasitism				iologi	cal pe	rformance
	Pamplonita	2/2		0.74% - 3.78%	V ASSIST		Pred	atorism	Lon	gevity
Norte de Santander	Chinacota	2/3			Locality	Parasitis	Eggs	adults	Larvae	Adults
80.000 ind	Bochalema	0/1				m				
	Total	4/6	66,67%		Sandoná	Low	High	High	High	Middle
	Palestina	68		0.49% - 10.2%	Consacá	Low	Middle	Middle	Low	Middle
	Chinchiná	1/1		0,49% - 10,2%	Quindio	Low	Low	High	Middle	Low
Caldas	Manizales			1 20%	Caldas	low	low	High	Middle	Middle
324,997.000 ind	San José			0.25%	Norte de Santander	Middle	Middle	Low	Middle	Low .
	Risaralda				Cenicate	High	Middle	High	High	High
1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	Total	9/18	50,00%		Constant	- ingo	moon	11090		and the second se
Risaralda	Pereira			0,5% - 1,38%	Long and Division in which the					
27 050 000 ind	Marsella				And a local division of the local division o			ALC: N	Iala	ecular
27.050.000 Ind	Total	2/12	16,67%		111				NOIE	cular
	Pueblo Tapao				111 Same 1111	1	-	find	herr	orints of
Quindio	Quimbaya			0,5% - 3,5%	THE REAL PROPERTY OF				goib	111110
23 217 000 ind	Buenavista				and the second				Dn	asuta
23.217.000 Ind	Montenegro				and the second s			in the second	- 1 R	asula
	Total	6/14	42,86%				12-1	~	omr	oled in
Nariño	Sandoná			13,43% - 29,9%			10.2	5	anıp	nea III
600.000 ind	Consacá			1,5% - 50%					Cala	ma la i a
12 500 000 ind					t Tata			- (	2010	mbia
12.300.000 Ind	Total	31/31	100,00%			-				
Valle					1123					
Cesar										
	Gran Total		65.06%					Maldona	do C, Ber	navides P 2007

10	rasitoids as		of strateg
	Number of re	leased individuals in the field	in Colombia
Municipality	C. stephanoderis Oct 1994 - Sep 2000	P. nasuta Nov 1997 - Sep 2000	P. coffea Oct 1999 - Sep 200
Antioquia	73.860.108	25 079 000	Oct 1999 - 3ep 200
Boyacá	8.342.820	2.400.000	
Caldas	870.961.127	324,997,000	916 925
Caquetá	1.550.800	800.000	
Cauca	46.629.892	32,950,000	
Cesar	3.024.060		
Cundinamarca	64.532.180	12.000.000	
Huila	49.042.540	15.600.000	
Magdalena	5.669.144	3.320.000	
Meta	6.132.930	1.480.000	
Nariño	10.858.008	600.000	
Quindío	205.390.906	23.217.000	202.500
Risaralda	218.837.910	27.050.000	718.550
Santander	158.117.498	31.518.000	
Norte de Santander	1.628.340	80.000	
Tolima	39.517.351	2.650.000	
Valle	80.928.517	12.500.000	
Total	1.845.024.131	516.241.000	1.837.975









. Gil Z. B

Porc <del>em</del>	Effi aje de al Treatment	сасу	Mean N	lortality*	NTBIC	6 Insecticide for control of C
		-	Days afte	r spraying		
No	. Code	1	3	8	15	
1	ENTBIO6 - 500*	90.43 A	95.04 AB	79.93 B	75.79 C	PROYECTIONS
	6					Dosis
2	ENTBIO6 - 1.000	94.09 A	84.13 C	94.61 A	85.52 BC	Residual effect
	ENTBIO6 - 1.500	94.76 A	93.25 AB	92.79 A	88.30 AB	Commercial Plots
						Residues
	ENTBIO6 - 2.000	95.19 A	88.59 BC	94.13 A	93.56 AB	Side effects
	ENTBIO6 - 2.500		99.80 A	97.00 A	89.59 AB	
	ENTBIO6 - 2.500	93.27 A	99.80 A	97.00 A	89.39 AB	
	ENTBIO6 - 4.000	95.62 A	96.81 A	97.67 A	98.75 A	
	Lorsban 4 EC	96.03 A	97.94 A	87.95 AB	87.11 ABC	

° 2 ه		tere is Latin America and the Dark	3 Mortality		orne-central anical Control Conditions			
	Т	reatment	Mortality days after spraying					
	No.	Code	1.1/4	3	8			
	1	ENTBIO 1	98.5 A	97.1 A	96.6 A			
	2	ENTBIO 2	61.0 B	54.0 B	57.8 C			
	3	ENTBIO 3	98.2 A	98.6 A	96.1 A			
	4	ENTBIO 4	66.6 B	69.4 B	74.0 B			
	5	ENTBIO 5	6.4 C	13.0 D	5.78 D			
	6	Control	1.3 C	1.54 E	1.44 D			
					Villalba D. 2007			

