



BELIZE BANANAS

- ✓ 22 farms, approx. 7000 acres, + 3000 employees
 - ✓ 100 000 T/year (2012-2015), 100 MBZ\$ Export, 2% Belize GDP
 - ✓ Primary employer in the South Stann Creek - North Toledo Districts
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- ✓ 2003 - 2015: Production increased by 20% and yields by 30%.
 - ✓ 2015 - One group of farms representing 15% of the production stopped exporting.
 - ✓ Flood in Nov 2015 + Hurricane Earl in August 2016 lead to a 30% decrease of production in 2016.

BAM 2012 : Direct Investments to the Banana Industry

Physical investments to BGA	BZ\$	Soft /Expertise Investments (PE and STE)	BZ\$
Four pickup trucks	198 833,20	Nutrition expert (2 missions)	65 145,00
Laboratory equipment (Nut. Dept)	42 925,65	Operational efficiencies (2 experts)	43 430,00
GPS and penetrometer (Nut. Dept)	7 425,00	Sigatoka Expert 1 (5 STE missions)	134 633,00
Compost (Demo plots)	23 996,25	Sigatoka Expert 1 (1 PE missions)	28 467,40
Fertilizer, liming products (Demo plots)	42 960,00	Civil Engineer Mixing Station	62 135,00
Nursery (GTHS)	17 805,00	Sigatoka: Resistance analysis	34 225,07
Five Mini-excavators	288 000,00	Sigatoka Expert 2 (1 mission)	24 802,37
25 Forks, for excavators and manual	7 031,25	Agro-economist (1 mission)	37 500,00
Spore trap (Sigatoka fungus, Farm 3)	14 613,64	Marketing Expert (1 mission)	42 900,00
Microscope (digital imaging system)	31 731,00	Website/Webportal/ Branding	165 000,00
BGA Electronic (computers, wifi, ...)	25 970,00	Website/Training of workers	113 999,00
GPS (Aerial guidance equipment)	318 400,00	Total Soft Investments BGA + Farms	\$752 236,84
Communication equipment	107 469,89	Farm Projects (Grant Call 2012, for 8 eligible farms, 3300 acres)	\$12 000 000,00
Installation/ Licensing of equipment	31 642,63		



BAM 2012 , BGA Investments (PE) in BZ\$

15th July 2014 : Four pickup trucks BZ\$ 198 833,20

Laboratory Equipment for Nutrition and nematodes department
Oven, Grinder, Microscope, GPS, penetrometers, sampling
equipment(Auger, ...)

May 2015: Bz\$ 50 350,65



DEMONSTRATION PLOTS

Using recommendations from Short term expert (Dr C. Gauggel)
March 2016 - Apr 2017

- Compost, Fertilizers, Liming amendments for BZ\$ 76 956,25
- Forking done on the majority of the plots.

Main conclusion: + 25% growth of the first follower compared with adjacent plot where regular farm practices are done.



DEMONSTRATION PLOTS



CPBL COMPOSTING PLANT





Excavators and Forks: For soil decompaction and drainage
Dec 2015: BZ\$ 395 031,26







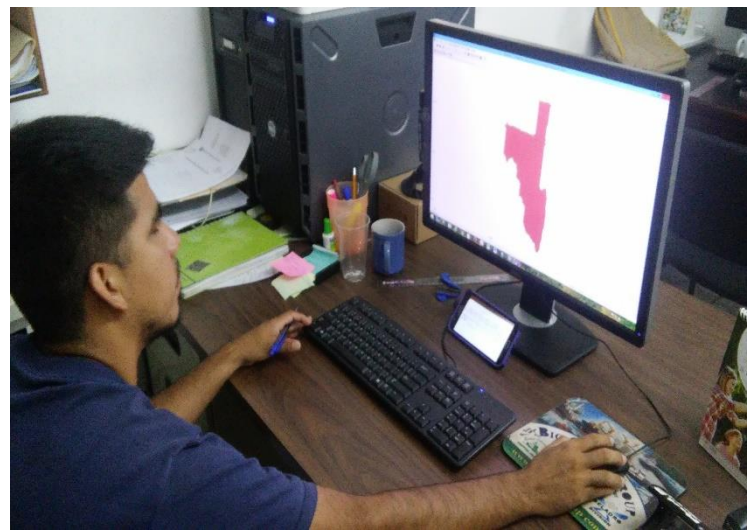


GTHS Nursery, for Education and to produce plants for Rain Forest Alliance Certification: BZ\$ 17 805,00



Investments to support the Sigatoka Department of the BGA (2016)

- Electric Spore Trap (farm 3)	BZ\$ 14,613
- Microscope with digital imaging system	BZ\$ 31,731
- BGA Electronic (Computers, Wifi,...)	BZ\$ 25,970
- GPS (aerial guidance system)	Bz\$ 318,400
- Communication Equipment (Pilots)	Bz\$ 107,469
- Installation / Licensing	Bz\$ 31,642
Total :	Bz\$ 529,827







Soft Investments



BELIZE BANANAS
Improving Life. One bunch at a time.

Soft Investments : Expertise, Website, Training



Soft /Expertise Investments (PE and STE)	BZ\$ Contractor
Nutrition expert (2 STE missions)	65 145,00 Carlos Gauggel
Operational efficiencies (1 STE mission)	43 430,00 G. Tomasin, C. Borge
Sigatoka Expert 1 (5 STE missions)	134 633,00 Carl Austin
Sigatoka Expert 1 (1 PE missions)	28 467,40 Carl Austin
Civil Engineer Mixing Station (STE mission)	62 135,00 C. Henderson
Sigatoka: Resistance analysis of fungus to pesticides	34 225,07 CIRAD
Sigatoka Expert 2 (1 PE mission)	24 802,37 Vitropic/Luc de Lapeyre
Agro-economist (1 PE mission)	37 500,00 J. Briggs
Marketing Expert (1 PE mission)	42 900,00 Margenes / V. Diaz
Website/Webportal/ Branding	165 000,00 Mc Nab
Website/Workers Training in various areas	113 999,00 SICI (Spain)
Total Soft Investments	\$752 236,84 350 000,00 €

BAM 2012 Grant Call, a few pictures April 2017

8 farms and 3.300 acres

BAM 2012 Grant Call, Distribution by action		
Actions (and rank)	Total project €	%
1. Irrigation	1 436 623,10 €	26%
2. Packing facilities	820 074,58 €	15%
3. Decompaction/Rehabilitation of plots	609 153,19 €	11%
4. Drainage and dykes (flood mitigation)	592 024,05 €	11%
5. Soil/Composting/ agro practices	501 558,71 €	9%
6. Cableways	395 481,12 €	7%
7. Capacity building workers /community	294 988,31 €	5%
Administrative/Implementation costs	673 249,66 €	12%
Visibility, evaluations, ..bank expenses	223 354,33 €	4%
Miscellaneous	66 274,21 €	1%
Total (eligible costs)	5 612 781,26 €	100%



Farm 19: Drainage, Irrigation,
Cableways: 60 % of the project.
Implementation May 2015- April 2017: 75%



Farm13: Construction of a new packing shed (represents 1/3 of the project)



Farm 18: Drains, Irrigation and cableways



Farm 15 (Group of farms 4+15+16)





Farm 9



Thank you for your attention