

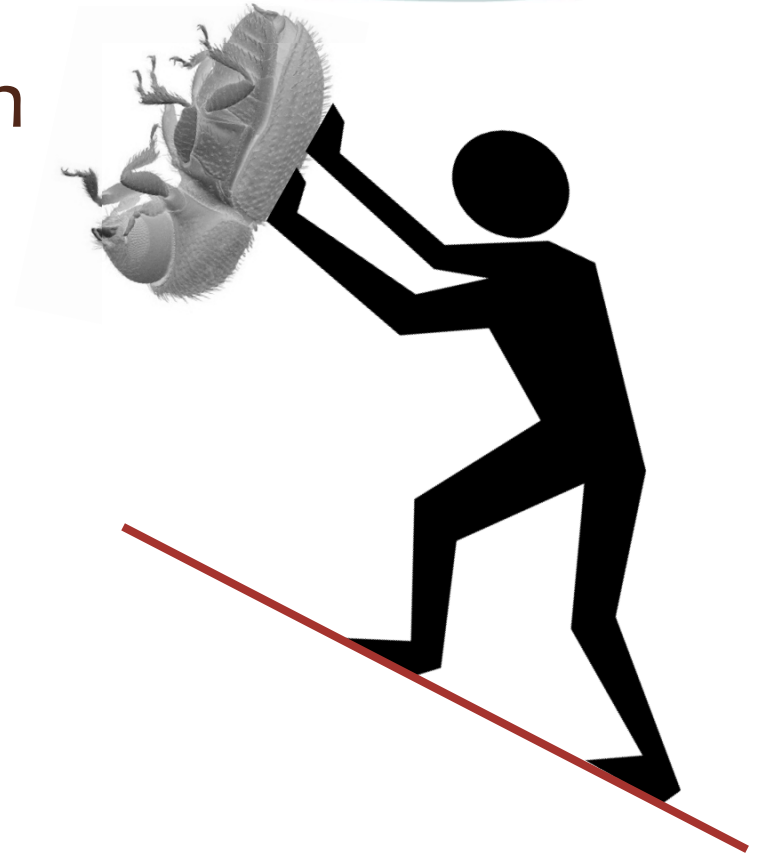
Updates on the CBB Battle at Ground Zero - Kona

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Uphill Battle Since 2010

- * All agency collaboration
- * CBB Task Force
- * Coffee associations
- * Kona extension agent
- * Funding



5 Stages of CBB Grief

- * Denial
- * Anger
- * Bargaining
- * Despair/Depression
- * Acceptance

Reiterate, Remind & Reinforce

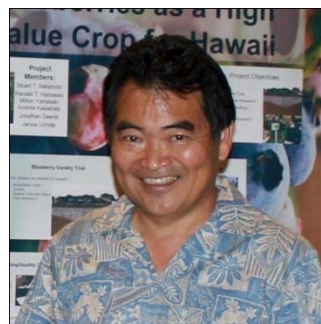




Jari Sugano
Assoc. Extension Agent



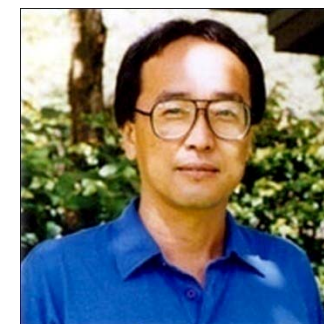
Dr. Stuart Nakamoto
Extension Economist



Randy Hamasaki
County Extension Agent



Maria 'Didi' Diaz-Lyke
Junior Extension Agent



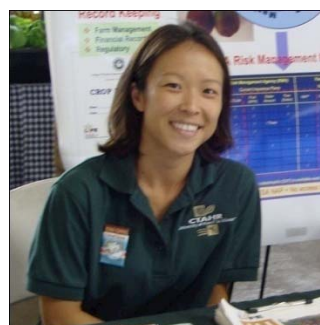
Andrew Kawabata
Assoc. Extension Agent



Robin Shimabuku
County Extension Agent



Steve Fukuda
County Extension Agent



Andrea Kawabata
Asst. Extension Agent



Kelvin Sewake
County Extension Agent

Kristi Katayama
Evann Souza



Helping Farmers Grow
www.ctahr.hawaii.edu/life

Grower Requests and Concerns

- * Up-to-date information on CBB control
- * Bee safety
- * Grants, funding, cost-share, etc.
- * Compensation for crop losses
- * HELP

June 2012





Extension Activities

Kona Risk Management School
 Kona Coffee Cultural Festival Booth
 KCFA Expo CBB Survey PPT
 CBB IPM Video
 CBB and LFA
 CBB and Pruning
 WPS
 Crop Insurance
 Record Keeping
 Business Tax
 GAPs and Food Safety
 CBB Talk Story Sessions
 Farm Doctor Visits
 Soil and Leaf Analysis
 Kau Risk Management School
 CBB & Beauvaria Economics in Kau
 CBB Updates in Kau
 Kau Coffee Tree Recovery after Fire

Pahala Fire 6/18/12



Kona's Current Crop

- * November to March drought
- * March to May rain
- * Medium to heavy crop
- * Green cherry → Color Break
- * Overall higher CBB infestation





Pruning

Kona Style
BF Method
Stumping
- Field
- Border



Traps

Home-made

- One 'window'
- Multiple 'windows'
- 'Wall' to fly into

Sentry I & II

Brocap

Others:

Fly trap

Oil

Bucket



<http://www.ctahr.hawaii.edu/site/CBBTrap.aspx>



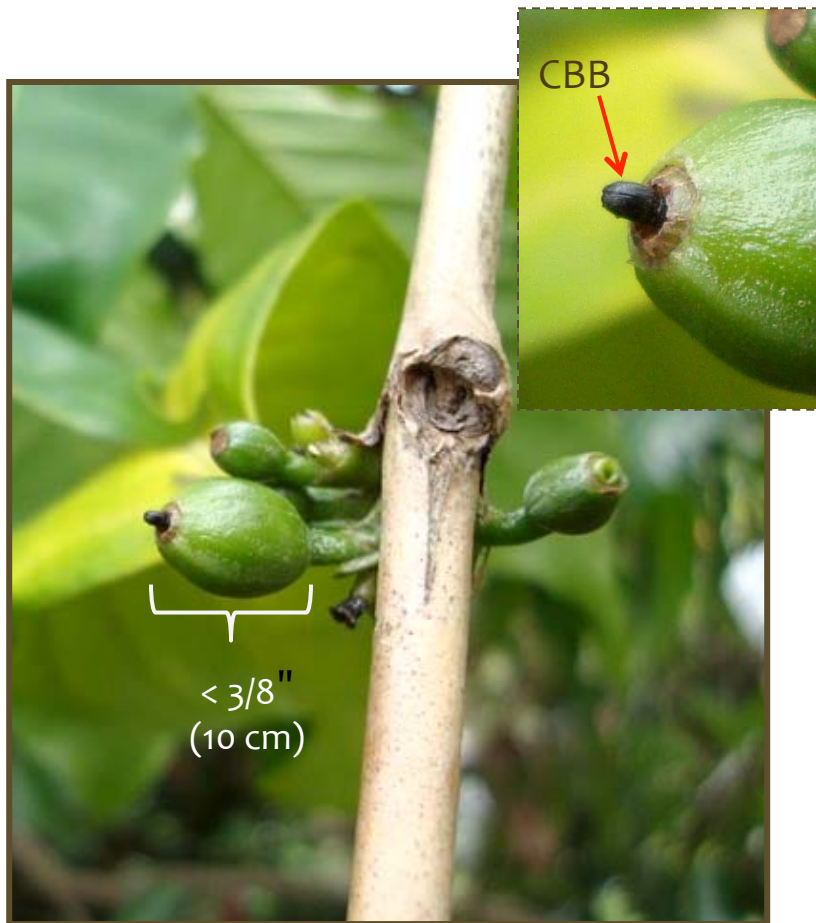
Trap - Killing Agents





Beauveria bassiana treatment applications

Best CBB Strategies



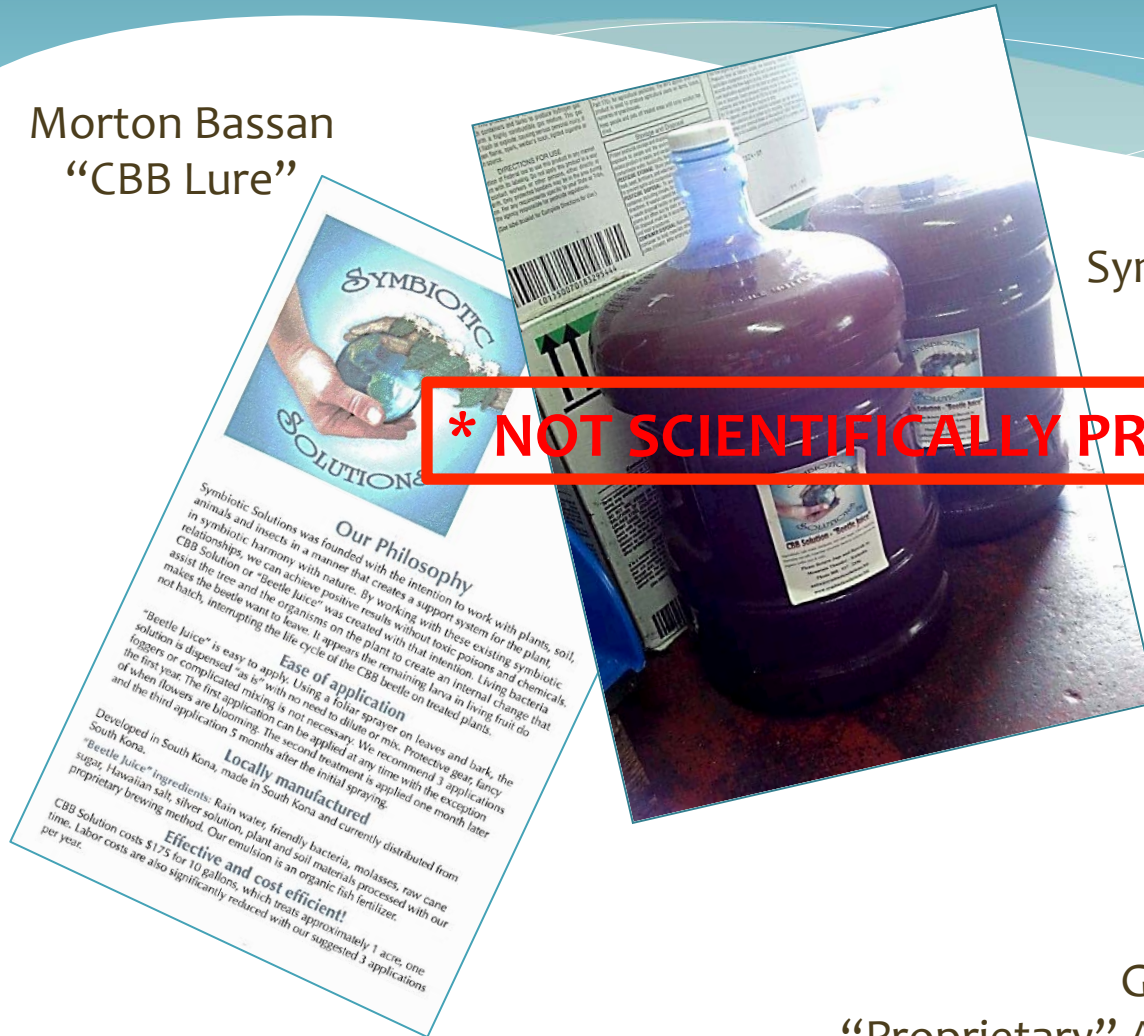
1. Strip and destroy all remaining cherry
2. Prune
3. Trap
4. Spray *B. bassiana* early and often
5. Continue to spray throughout season
6. Harvest often
7. Avoid dropping cherry

Other Products

Morton Bassan
“CBB Lure”

Symbiotic Solutions – “Beetle Juice”

*** NOT SCIENTIFICALLY PROVEN**



G.E.M
“Proprietary” Attractant Solution

Questions and Comments

- * Trap height
- * Neem and Beauvaria
- * Chlorinated water and Beauvaria
- * New products
- * Best time of day to spray
- * CBB and pulp
- * Eradication efforts
- * Government subsidy for Beauvaria

There's Still Hope!

