

Red Team Product Contract
“The Banana Stand”
November 19, 2005

Product Description: Mechanically-assisted banana harvester

Intended Customers: Corporate-owned plantations in Central and South America

Market: Harvesting technology

Customer Need	Product Attribute	Engineering Specifications
Increases worker productivity	Replaces second worker	Can support up to 120 lbs. banana bunch
Must reach tall plants	Extends worker's reach, lightweight	6 ft tall structure Weighs under 30 lbs.
Prevents fruit bruising	Only makes contact with bunch at stalk	Can accommodate up to a 3 ft diameter bunch with 2 inches of radial clearance, and up to a 5 ft long bunch with 1 ft of ground clearance
Easy to engage grabber	Accommodates different sizes and orientations of stalks	Grabbing mechanism opens to 4 inches and closes to 1.5 inches
Low cost	Simple design and mass-produced materials	Between \$50-\$100 dollars