

**Team Red**  
**“The Banana Stand” Product Contract**  
**November 4, 2005**

<b>Customer Need</b>	<b>Product Attribute</b>	<b>Engineering Specifications</b>
Increase worker productivity	Replace second worker	Can support a Banana Bunch 150 lbs max
Must reach tall plants	Extends worker’s reach, lightweight	6 Ft tall structure Weighs under 30 lbs
Prevent 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 clearance
Easy to position	Accommodate different size and orientation of stalks	Grabbing mechanism opens to 6 inches and closes to 2 inches
Low cost	Simple design and mass-produced materials	Between \$50-\$100 dollars