Statistical Calculation Summary
Plantable Spots

Project:	SU11TLFXXX	Year:	2010

Block	Unit T3 093A032-209 A42428-1					
Opening	093A032-209					
Stratum	A					
Net Area	2.1					ha
# of Plots	n =	5				
Plot Multiplier	$PM = \frac{10{,}000\ (m^2/ha)}{plot\ area\ (m^2/plot)}$ =	200				
Average Plantable Spots	$\bar{X} = \sum Xi \div n$ =	5.400	$\bar{X} \times PM$ =	1,080	spots/ha	
Standard Deviation	$s = \sqrt{\frac{\sum Xi^2 - (\sum Xi)^2 / n}{(n-1)}}$ =	1.342				
Standard Error of the Mean	$s_{\bar{x}} = \frac{s}{\sqrt{n}}$ =	0.600				
T - table Value	t_{90}, n-1 df =	2.132				
CI_{90}	$CI_{90} = t_{90} \times s_{\bar{x}}$ =	1.279	$CI_{90} \times PM$ =	256	spots/ha	
LCL	$LCL = \bar{X} - CI_{90}$ =	4.121	LCL x PM =	824	spots/ha	
Target Planting Density		1,400			spots/ha	
Desired Precision (e)	$e = 0.1\bar{X}$ OR 0.5 =	0.540	e x PM =	108	spots/ha	
# of Plots to meet Precision	$n = \frac{t^2 s^2}{e^2}$ =				0	spots/ha
Recommendation	Fill Plant 2012					

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