



2011 Bell Peppers on Plastic Budget
Fumigant – Methyl Iodide plus Chloropicrin (MIDAS)
Mulch – High Barrier Silver on Black Metalized Mulch (VIF-D)

Prepared by
Esendugue Greg Fonsah, Agricultural and Applied Economics, UGA
Myra Clarisse Ferrer, Graduate Student, Agricultural and Applied Economics, UGA

Table 1. Yields and prices of producing bell peppers with methyl iodide plus chloropicrin on high barrier silver on black metalized mulch (VIF-D) in Georgia.

	BEST	OPTIMISTIC	MEDIAN	PESSIMISTIC	WORST
Yield (cartons)	1362	1246	1128.81	1012.07	895
Price per carton	16.00	14.00	12.00	10.00	8.00

Table 2. Pre-harvesting variable cost of producing bell peppers with methyl iodide plus chloropicrin on high barrier silver on black metalized mulch (VIF-D) in Georgia.

Item	Unit	Quantity	Price	Amt/acre	Yours
Plants	Thousand	7.50	\$29.50	\$221.25	
Lime, applied	Ton	1.00	\$28.50	\$28.50	
Base Fertilizer	lbs.	12.00	\$26.41	\$316.88	
Sidedress Fertilizer (soluble)	Gal.	60.00	\$2.82	\$169.37	
Insecticide	Acre	1.00	\$240.16	\$240.16	
Fungicide	Acre	1.00	\$349.02	\$349.02	
Nematicide	Acre	1.00	\$822.88	\$822.88	
Herbicide	Acre	1.00	\$111.68	\$111.68	
Plastic	Roll	2.80	\$68.50	\$191.80	
Plastic Removal	Acre	1.00	\$75.00	\$75.00	
Drip Tape	Ft	8700.00	\$0.02	\$174.00	
Fumigation and Mulching	Acre	1.00	\$4,499.82	\$4,499.82	
Machinery	Hr.	5.00	\$21.00	\$105.00	
Transplant Labor	Hr.	20.00	\$7.00	\$140.00	
Labor	Hr.	33.00	\$6.00	\$198.00	
Land rent	Acre	1.00	\$110.00	\$110.00	
Irrigation (Mach + Labor)	Acre	1.00	\$65.08	\$65.08	
Interest on Oper. Cap.	\$	7818.43	\$0.07	\$273.65	
Pre-Harvest Variable Costs				\$8,092.08	

Table 3. Harvesting and marketing costs of producing bell peppers with methyl iodide plus chloropicrin on high barrier silver on black metalized mulch (VIF-D) in Georgia.

Item	Unit	Quantity	Price	Amt/acre	Yours
Picking and hauling	Ctn.	1129	\$0.85	\$959.49	
Grading and packing	Ctn.	1129	\$1.10	\$1,241.69	
Container	Ctn.	1129	\$0.75	\$846.61	
Marketing 8.50 % GROSS	Ctn.	1129	\$1.02	\$1,151.39	
Total Harvest and Marketing			\$3.72	\$4,199.19	
Total Variable Costs					
				\$12,291.26	

Table 4. Fixed costs of producing bell peppers with methyl iodide plus chloropicrin on high barrier silver on black metalized mulch (VIF-D) in Georgia.

Item	Unit	Quantity	Price	Amt/acre	Yours
Machinery	Acre	1.00	\$53.59	\$53.59	
Irrigation	Acre	1.00	\$220.65	\$220.65	
Land	Acre	1.00	\$0.00	\$0.00	
Overhead and Management	\$	8092.08	\$0.15	\$1,213.81	
Total Fixed Costs				\$1,488.05	
Total budgeted cost per acre					
				\$13,779.32	

Table 5. Risk-rated returns over total costs of producing bell peppers with methyl iodide plus chloropicrin on high barrier silver on black metalized mulch (VIF-D) in Georgia.

Description	Optimistic			Expected	Pessimistic		
Returns(\$)	3,450	2,222	994	-234	-1,461	-2,689	-3,917
Chances	7%	16%	31%	50%			
Chances				50%	31%	16%	7%
CHANCES FOR PROFIT							
	46%	BASE BUDGETED NET REVENUE			-234		

Acknowledgment

This project was supported by CSREES Grant entitled "Assisting Vegetable Growers in the adoption of methyl bromide alternatives for weeds, diseases, and nematodes", 2006-2009.