



2011 Bell Peppers on Plastic Budget

**Fumigant – 1,3-Dichloropropene plus Chloropicrin and Metam Sodium (Telone with Vapam)
Mulch – Smooth Low Density Black on Black Polyethylene Mulch (Metalized smooth)**

**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 1,3-dichloropropene plus chloropicrin and metam sodium on smooth low density black on black polyethylene mulch (Metalized smooth) in Georgia.

	BEST	OPTIMISTIC	MEDIAN	PESSIMISTIC	WORST
Yield (cartons)	2018	1820	1621.90	1423.92	1226
Price per carton	16.00	14.00	12.00	10.00	8.00

Table 2. Pre-harvesting variable cost of producing bell peppers with 1,3-dichloropropene plus chloropicrin and metam sodium on smooth low density black on black polyethylene mulch (Metalized smooth) 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	\$1,556.50	\$1,556.50	
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.	\$	4875.11	\$0.07	\$170.63	
Pre-Harvest Variable Costs				\$5,045.74	

Table 3. Harvesting and marketing costs of producing bell peppers with 1,3-dichloropropene plus chloropicrin and metam sodium on smooth low density black on black polyethylene mulch (Metalized smooth) in Georgia.

Item	Unit	Quantity	Price	Amt/acre	Yours
Picking and hauling	Ctn.	1622	\$0.85	\$1,378.61	
Grading and packing	Ctn.	1622	\$1.10	\$1,784.09	
Container	Ctn.	1622	\$0.75	\$1,216.42	
Marketing 8.50 % GROSS	Ctn.	1622	\$1.02	\$1,654.34	
Total Harvest and Marketing			\$3.72	\$6,033.46	
Total Variable Costs				\$11,079.20	

Table 4. Fixed costs of producing bell peppers with 1,3-dichloropropene plus chloropicrin and metam sodium on smooth low density black on black polyethylene mulch (Metalized smooth) 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	\$	5045.74	\$0.15	\$756.86	
Total Fixed Costs				\$1,031.10	
Total budgeted cost per acre				\$12,110.30	

Table 5. Risk-rated returns over total costs of producing bell peppers with 1,3-dichloropropene plus chloropicrin and metam sodium on smooth low density black on black polyethylene mulch (Metalized smooth) in Georgia.

Description	Optimistic			Expected	Pessimistic		
Returns(\$)	12,804	10,987	9,170	7,352	5,535	3,718	1,901
Chances	7%	16%	31%	50%			
Chances				50%	31%	16%	7%
CHANCES FOR PROFIT	98%	BASE BUDGETED NET REVENUE			7,352		

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.