

**2009 Methyl Bromide Usage Newer Numerical Index - BUNNIE** **Cucurbits**

December 18, 2006		Region	Michigan Cucurbit	Mardel Cucurbit	Southeast Cucurbit	Georgia - Squash	Georgia - Cucumber	Georgia - Melon	Sector Total	Notes	
Other Considerations	Marginal Strategy - Among Best Strategies & Economic Analysis (See Chapter)	Possible Regime Loss Estimate (%) - Yield (Y), Quality (Q), Market Window (M), Time (T)	Metam+Pic 47% Y + T	Telone+Pic 29% Y	Telone+Pic 29% Y	Telone+Pic 29% Y	Telone+Pic 29% Y	Telone+Pic 29% Y			
		Loss per Hectare (US\$/ha)	\$ 2,232	\$ 2,883	\$ 2,883	\$ 3,510	\$ 4,561	\$ 3,233			
		Loss per Kg of MeBr (US\$/kg)	\$ 46	\$ 19	\$ 19	\$ 23	\$ 30	\$ 22			
		Loss as a % of Gross Revenue Loss as a % of Net Op Revenue	12% 55%	23% 70%	23% 70%	11% 30%	13% 69%	12% 35%			
	Dichotomous Variables (Y/N)	Strip or Bed Treatment? Currently Use Alternatives? Tarps / Deep Injection Used?	Strip Yes Tarp	Strip Yes Tarp	Strip Yes Tarp	Strip Yes Tarp	Strip Yes Tarp	Strip Yes Tarp			
	Other Issues	Frequency of Treatment (x/ yr) Change in CUE Request	1x per year increase	1x per year new	1x per year increase	1x per year same	1x per year same	1x per year same		increase	
Most Likely Combined Impacts (%)	Florida Telone Restrictions	%	0%	0%	0%	8%	8%	8%			
	100 ft Buffer Zones	%	0%	0%	0%	0%	0%	0%			
	Key Pest Distribution	%	100%	100%	49%	49%	48%	51%			
	Regulatory Issues	%	0%	0%	0%	0%	0%	0%			
	Unsuitable Terrain	%	0%	0%	0%	0%	0%	0%			
	Cold Soil Temperature	%	100%	0%	0%	0%	0%	0%			
	<b>Total Combined Impacts</b>	<b>%</b>	<b>100%</b>	<b>100%</b>	<b>49%</b>	<b>53%</b>	<b>52%</b>	<b>55%</b>			
Most Likely Baseline Transition	(%) Able to Transition		0%	0%	42%	44%	49%	33%			
	Minimum # of Years Required		0	0	7	7	7	7			
	(%) Able to Transition / Year		<b>0%</b>	<b>0%</b>	<b>6%</b>	<b>6%</b>	<b>7%</b>	<b>5%</b>			
<b>Joint Adjusted Use Rate</b>		kg/ha	<b>175</b>	<b>150</b>	<b>188</b>	<b>187</b>	<b>187</b>	<b>187</b>		*	
Joint Adjusted Dosage Rate		g/m2	17.5	15.0	18.8	18.7	18.7	18.7			
2009 US CUE Application Information	Amount - Pounds	Pounds	72,800	20,100	2,300,780	204,752	148,204	541,896	3,288,532		
	Area - Acres		680	300	17,170	1,528	1,106	4,044	24,828		
	Rate (lb/A)		107.06	67.00	134.00	134.00	134.00	134.00	132		
	Amount - Kilograms	Metric	<b>33,021</b>	<b>9,117</b>	<b>1,043,615</b>	<b>92,874</b>	<b>67,224</b>	<b>245,800</b>	<b>1,491,652</b>		
	Treated Area - Hectares		275	121	6,948	618	448	1,637	10,048		
	Rate (kg/ha)		120	75	150	150	150	150	148		
<b>EPA Preliminary Value</b>		<b>kgs</b>	<b>26,592</b>	<b>9,117</b>	<b>753,688</b>	<b>92,874</b>	<b>67,224</b>	<b>245,739</b>	<b>1,195,235</b>		
EPA Baseline Adjusted Value has been adjusted for:		Double Counting, Growth, EPA Use Rate Adjustment, Joint Use Rate Adjustment, and Combined Impacts									
EPA Baseline Adjusted Value		kgs	22,493	9,111	270,040	32,488	25,370	97,284	456,787	*	
EPA Transition Amount		kgs	-	-	(30,239)	(3,834)	(3,423)	(8,467)	(45,963)	*	
<b>EPA Amount of All Adjustments</b>		<b>kgs</b>	<b>(4,099)</b>	<b>(6)</b>	<b>(513,887)</b>	<b>(64,220)</b>	<b>(45,277)</b>	<b>(156,921)</b>	<b>(784,411)</b>		
<b>Most Likely Impact Value for Treated Area</b>		<b>kgs</b>	<b>22,493</b>	<b>9,111</b>	<b>239,801</b>	<b>28,654</b>	<b>21,947</b>	<b>88,817</b>	<b>410,824</b>	*	
		<b>ha</b>	<b>129</b>	<b>61</b>	<b>1,370</b>	<b>164</b>	<b>125</b>	<b>508</b>	<b>2,356</b>		
		<b>Rate</b>	<b>175</b>	<b>150</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>174</b>	*
<b>Sector Research Amount (kgs)</b>			<b>941</b>			<b>2009 Total US Sector Nomination</b>		<b>411,765</b>			*

1 Pound = 0.453592 kgs      1 Acre = 0.404686 ha

Region	Michigan Cucurbit	Mardel Cucurbit	Southeast Cucurbit	Georgia - Squash	Georgia - Cucumber	Georgia - Melon	Sector Total		
EPA Preliminary Value	kgs 26,592	9,117	753,688	92,874	67,224	245,739	1,195,235		
EPA Amount of All Adjustments	kgs (4,099)	(6)	(513,887)	(64,220)	(45,277)	(156,921)	(784,411)		
<b>Most Likely Impact Value for Treated Area</b>	kgs <b>22,493</b>	<b>9,111</b>	<b>239,801</b>	<b>28,654</b>	<b>21,947</b>	<b>88,817</b>	<b>410,824</b>		
	ha <b>129</b>	<b>61</b>	<b>1,370</b>	<b>164</b>	<b>125</b>	<b>508</b>	<b>2,356</b>		
	Rate <b>175</b>	<b>150</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>174</b>		
<b>Sector Research Amount (kgs)</b>		<b>941</b>			<b>2009 Total US Sector Nomination</b>		<b>411,765</b>		*