

**Methyl Bromide Critical Use Exemption Process**  
**2007 Methyl Bromide Usage Numerical Index (BUNI)**

Date: **1/28/2005**  
Sector: **CUCURBITS**

Average Hectares in the US: **175,270**  
% of Average Hectares Requested: **5%**

2007 Amount of Request				2001 & 2002 Average Use*			Quarantine and Pre-Shipment	Regional Hectares**		Research Amount (kgs)
REGION	Kilograms (kgs)	Hectares (ha)	Use Rate (kg/ha)	Kilograms (kgs)	Hectares (ha)	Use Rate (kg/ha)		2003 Area (ha)	% of Request	
MICHIGAN	26,592	221	120	27,867	232	120	0%	8,620	3%	<b>941</b>
SOUTHEASTERN US	959,129	6,386	150	772,531	5,144	150	0%	18,858	34%	
GEORGIA	405,837	2,702	150	423,555	2,820	150	0%	25,204	11%	
<b>TOTAL OR AVERAGE</b>	<b>1,391,558</b>	<b>9,310</b>	<b>149</b>	<b>1,223,952</b>	<b>8,195</b>	<b>149</b>	<b>0%</b>	<b>52,682</b>	<b>18%</b>	

2007 Nomination Options	Subtractions from Requested Amounts (kgs)					Combined Impacts Adjustment (kgs)		MOST LIKELY IMPACT VALUE		
REGION	2007 Request	(-) Double Counting	(-) Growth	(-) Use Rate Adjustment	(-) QPS	HIGH	LOW	Kilograms (kgs)	Hectares (ha)	Use Rate (kg/ha)
MICHIGAN	26,592	-	-	-	-	26,592	26,592	26,592	221	120
SOUTHEASTERN US	959,129	-	186,599	-	-	509,870	324,463	368,034	2,450	150
GEORGIA	405,837	-	7,142	-	-	271,266	182,501	203,361	1,354	150
<b>Nomination Amount</b>	<b>1,391,558</b>	<b>1,391,558</b>	<b>1,197,818</b>	<b>1,197,818</b>	<b>1,197,818</b>	<b>807,728</b>	<b>533,556</b>	<b>597,986</b>	<b>4,026</b>	<b>149</b>
<b>% Reduction from Initial Request</b>	<b>0%</b>	<b>0%</b>	<b>14%</b>	<b>14%</b>	<b>14%</b>	<b>42%</b>	<b>62%</b>	<b>57%</b>	<b>57%</b>	<b>1%</b>

Adjustments to Requested Amounts	Use Rate (kg/ha)		(% Karst (Telone))		(% 100 ft Buffer Zones)		(% Key Pest Distribution)		Regulatory Issues (%)		Unsuitable Terrain (%)		Cold Soil Temp (%)		Combined Impacts (%)	
	Low	EPA	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	HIGH	LOW
MICHIGAN *	120	120	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	100%	100%
SOUTHEASTERN US	150	150	0%	0%	0%	0%	66%	42%	0%	0%	0%	0%	0%	0%	66%	42%
GEORGIA **	150	150	8%	8%	0%	0%	64%	42%	0%	0%	0%	0%	0%	0%	68%	46%

Other Considerations	Dichotomous Variables (Y/N)					Other Issues			Economic Analysis				Quality/ Time/ Market Window/ Yield Loss (%)	Marginal Strategy
	Strip Bed Treatment	Currently Use Alternatives?	Research / Transition Plans	Tarps / Deep Injection Used	Pest-free Cert. Requirement	Change from Prior CUE Request (+/-)	Verified Historic MeBr Use / State	Frequency of Treatment	Loss per Hectare (US\$/ha)	Loss per Kg of MeBr (US\$/kg)	Loss as a % of Gross Revenue	Loss as a % of Net Revenue		
MICHIGAN	Yes	Yes	Yes	Tarp	No	-	Yes	1/year	\$ 2,232	\$ 46	12%	55%	47% Yield + Timing Loss	Metam-Sodium
SOUTHEASTERN US	Yes	Yes	Yes	Tarp	No	+	Yes	1/year	\$ 2,883	\$ 19	23%	70%	29% Yield Loss	1,3-D + Pic
	Yes	Yes	Yes	Tarp	No	+	Yes	1/year	\$ 4,108	\$ 27	33%	99%	44% Yield Loss	Metam-Sodium + Pic
GEORGIA	Yes	Yes	Yes	Tarp	No	0	Yes	1/year	\$ 7,230	\$ 48	21%	52%	29% Yield Loss	1,3-D + Pic
	Yes	Yes	Yes	Tarp	No	0	Yes	1/year	\$10,871	\$ 72	31%	79%	44% Yield Loss	Metam-Sodium + Pic

Conversion Units: 1 Pound = 0.453592 Kilograms 1 Acre = 0.404686 Hectare

\* Michigan rates are higher for 2007 based on more current information.

\*\* Georgia rotates crops with solanaceous crops therefore we had to balance the distribution with the other sectors in Georgia's application.

Most Likely Impact Value: High 24% Low 77%