

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

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

Average Hectares in the US: **37,557**
 % of Average Hectares Requested: **35%**

2844

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 Hectares	% of 2001 & 2002 Avg	
CALIFORNIA*	136,078	759	179	44,743	284	157	0%	10,659	3%	7%
SOUTHEASTERN US	240,086	1,599	150	135,238	900	150	0%	5,806	16%	28%
GEORGIA	347,183	2,312	150	342,716	2,282	150	0%	2,899	79%	80%
FLORIDA	1,415,207	8,417	168	1,345,667	8,468	159	0%	7,893	107%	107%
MICHIGAN	15,195	127	120	15,924	133	120	0%	816	16%	16%
TOTAL OR AVERAGE	2,153,749	13,213	163	1,884,288	12,067	156	0%	28,074	43%	47%

2007 Nomination Options	Subtractions from Requested Amounts (kgs)					Combined Impacts Adjustment (kgs)		Adoption Transition Adjustment (kgs)		MOST LIKELY IMPACT VALUE		
	2007 Request	(-) Double Counting	(-) Growth	(-) Use Rate Adjustment	(-) QPS	HIGH	LOW	HIGH	LOW	Kilograms (kgs)	Hectares (ha)	Use Rate (kg/ha)
CALIFORNIA	136,078	-	91,334	-	-	33,558	8,949	28,524	7,606	12,522	80	157
SOUTHEASTERN US	240,086	-	104,848	-	-	108,191	63,562	96,560	56,729	66,089	440	150
GEORGIA	347,183	-	4,467	-	-	281,027	174,785	251,519	156,432	178,778	1,190	150
FLORIDA	1,415,207	-	69,540	-	-	1,197,643	901,597	1,085,364	817,072	880,121	5,538	159
MICHIGAN	15,195	-	-	-	-	11,396	11,396	11,396	11,396	11,396	95	120
Nomination Amount	2,153,749	2,153,749	1,883,560	1,883,560	1,883,560	1,631,815	1,160,289	1,473,364	1,049,237	1,148,907	7,343	156
% Reduction from Initial Request	0%	0%	13%	13%	13%	24%	46%	32%	51%	47%	44%	4%

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 (%)		Adoption / Transition	
	Low	EPA	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	HIGH	LOW	% adopt	% per year
CALIFORNIA	157	157	0	0	0	0	100	100	26	17	0	0	0	0	75%	20%	75%	15%
SOUTHEASTERN US	150	150	0	0	0	0	80	47	0	0	0	0	0	0	80%	47%	86%	11%
GEORGIA	150	150	8	8	0	0	80	47	0	0	0	0	0	0	82%	51%	84%	11%
FLORIDA	159	159	40	40	1	1	80	47	0	0	0	0	0	0	89%	67%	75%	9%
MICHIGAN ***	120	120	0	0	0	0	75	75	0	0	0	0	75	75	75%	75%	0%	0%

Other Considerations	Dichotomous Variables (Y/N)						Other Issues			Economic Analysis				Quality/ Time/ Market Window/ Yield Loss (%)	
	Strip Bed Treatment	Currently Use Alternatives?	Research / Transition Plans	Tarps / Deep Injection Used	Pest-free Cert. Requirement	Adopt New Fumigants	Change from Prior CUE Request (+/-)	Verified Historic MeBr Use / State	Frequency of Treatment	Loss per Hectare (US\$/ha)	Loss per Kilogram of MeBr (US\$/kg)	Loss as a % of Gross Revenue	Loss as a % of Net Revenue		
CALIFORNIA	Yes	Yes	Yes	Tarp	No	Yes	0	Yes	1/year	\$ 1,194	\$ 8	6%	29%	6%	1,3-D + Pic
SOUTHEASTERN US	Yes	Yes	Yes	Tarp	No	Yes	+	Yes	1/year	\$ 8,954	\$ 60	29%	76%	29%	1,3-D + Pic
GEORGIA	Yes	Yes	Yes	Tarp	No	Yes	+	Yes	1/year	\$ 11,429	\$ 76	37%	97%	44%	Metam-Sodium
	Yes	Yes	Yes	Tarp	No	Yes	+	Yes	1/year	\$ 7,368	\$ 49	21%	112%	29%	1,3-D + Pic
FLORIDA	Yes	Yes	Yes	Tarp	No	Yes	-	Yes	1/year	\$ 10,453	\$ 70	30%	160%	44%	Metam-Sodium
	Yes	Yes	Yes	Tarp	No	Yes	-	Yes	1/year	\$ 6,724	\$ 45	23%	73%	29%	1,3-D + Pic
MICHIGAN	Yes	Yes	Yes	Tarp	No	No	N/A	Yes	1/year	\$ 9,637	\$ 64	33%	105%	44%	Metam-Sodium
	Yes	Yes	Yes	Tarp	No	No	N/A	Yes	1/year	\$ 4,808	\$ 40	20%	100%	22% -6 yield + 16 planting delay	1,3-D + Pic

Pest Distribution GA used Stanley Culpepper, UGA survey.

GA figures were used for FL and SE US

High estimate adds moderate and severe, Low estimate add 1/2 of moderate and all severe

Conversion Units:

1 Pound = 0.453592 Kilograms

1 Acre = 0.404686 Hectares

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

**Georgia Acreage estimates verified at <http://www.caed.uga.edu/2003gafgveg.pdf>

Most Likely Impact Value: High

24% Low 77%

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