

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

Date:

1/28/2005

Average Volume in the US:

Sector:

POST HARVEST USE (NPMA)

% of Average Volume Requested:

not available

2007 Amount of Request				2001 & 2002 Average Use			Quarantine and Pre-shipment	Regional Volume		Research Amount (kgs)
FOOD FACILITY TYPE	Kilograms (kgs)	Volume (1000m ³)	Use Rate (kg/1000m ³)	Kilograms (kgs)	Volume (1000m ³)	Use Rate (kg/1000m ³)		2001 & 2002 Average	% of Volume	
Processed Foods	93,319	3,884	24	89,861	3,740	24	0%	not available	0	
Spices and Herbs	10,800	449	24	5,869	244	24	0%			
Cocoa	79,950	3,327	24	76,899	3,200	24	0%			
Cheese Processing Plants	3,856	160	24	3,596	150	24	0%			
Other Commodity	1,126	47	24	560	23	24	0%			
TOTAL OR AVERAGE	189,050	7,868	24	176,784	7,358	24				

2007 Nomination Options	Subtractions from Requested Amounts (kgs)					Combined Impacts Adjustment (kgs)		MOST LIKELY IMPACT VALUE		
	2007 Request	(-) Double Counting	(-) Growth	(-) Use Rate Adjustment	(-) QPS	HIGH	LOW	Amount (kgs)	Volume (1000m ³)	Use Rate (kg/1000m ³)
Processed Foods	93,319	-	3,459	14,977	-	74,884	74,884	74,884	3,740	20
Spices and Herbs	10,800	-	4,931	978	-	4,891	4,891	4,891	244	20
Cocoa	79,950	-	3,051	12,816	-	64,082	64,082	64,082	3,200	20
Cheese Processing Plants	3,856	-	260	599	-	2,996	2,996	2,996	150	20
Other Commodity	1,126	-	566	93	-	467	467	467	23	20
Nomination Amount	189,050	189,050	185,173	171,664	171,664	147,320	147,320	147,320	7,358	20
% Reduction from Initial Request	0%	0%	2%	9%	9%	22%	22%	22%	6%	17%

Adjustments to Requested Amount	Use Rate (kg/1000m ³)		Key Pest Distribution (%)		Adopt New Fumigants (%)		Combined Impacts (%)		Time, Quality, or Product Loss	Marginal Strategy
	Low	EPA	High	Low	High	Low	HIGH	LOW		
Processed Foods	24	20	100%	100%	0%	0%	100%	100%	Unknown	Heat & Phosphine
Spices and Herbs	24	20	100%	100%	0%	0%	100%	100%		
Cocoa	24	20	100%	100%	0%	0%	100%	100%		
Cheese Processing Plants	24	20	100%	100%	0%	0%	100%	100%		
Other Commodity	24	20	100%	100%	0%	0%	100%	100%		

Other Considerations	Dichotomous Variables (Y/N)			Other Issues			Economic Analysis			
	Currently Use Alternatives?	Research / Transition Plans	Pest-free Market Requirement	Change from Prior CUE Request (+/-)	Verified Historic MeBr Use / State	Frequency of Treatment of Product	Loss per 1000 m ³ (US\$/1000m)	Loss per Kg of MeBr (US\$/kg)	Loss as a % of Gross Revenue	Loss as a % of Net Revenue
Processed Foods	Yes	Yes	Yes	0	No	1	Not provided by applicant.			
Spices and Herbs	Yes	Yes	Yes	0	No	1				
Cocoa	Yes	Yes	Yes	0	No	1				
Cheese Processing Plants	Yes	Yes	Yes	0	No	1				
Other Commodity	Yes	Yes	Yes	0	No	1				

Conversion Units: 1 Pound = 0.453592 Kilograms 1,000 cu ft = 0.028316847 1,000 cubic meters
 Most Likely Impact Value: High 24% Low 77%

Adopt new fumigants - Sulfuryl fluoride SF efficacy still unknown.

Percent of Market adoption depends on Registration Date, Cost, % of Structures that are suitable, SF might also require registration on all the additives typically found in a mill or food processing plant EPA estimates are for an eventual 20 to 40% market share after complete registration.